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University of Toronto

CALENDAR

1907 - - - 1908

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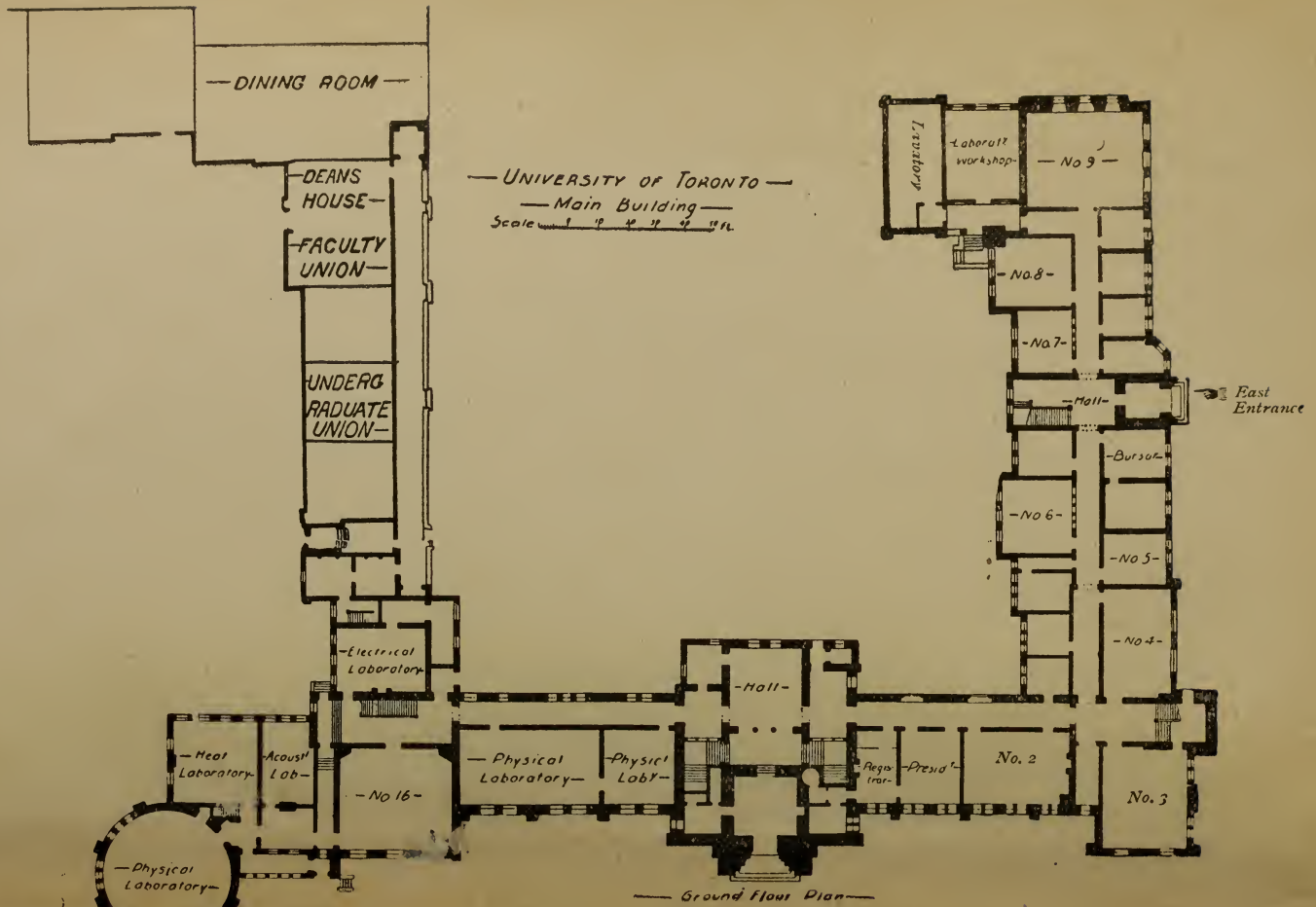
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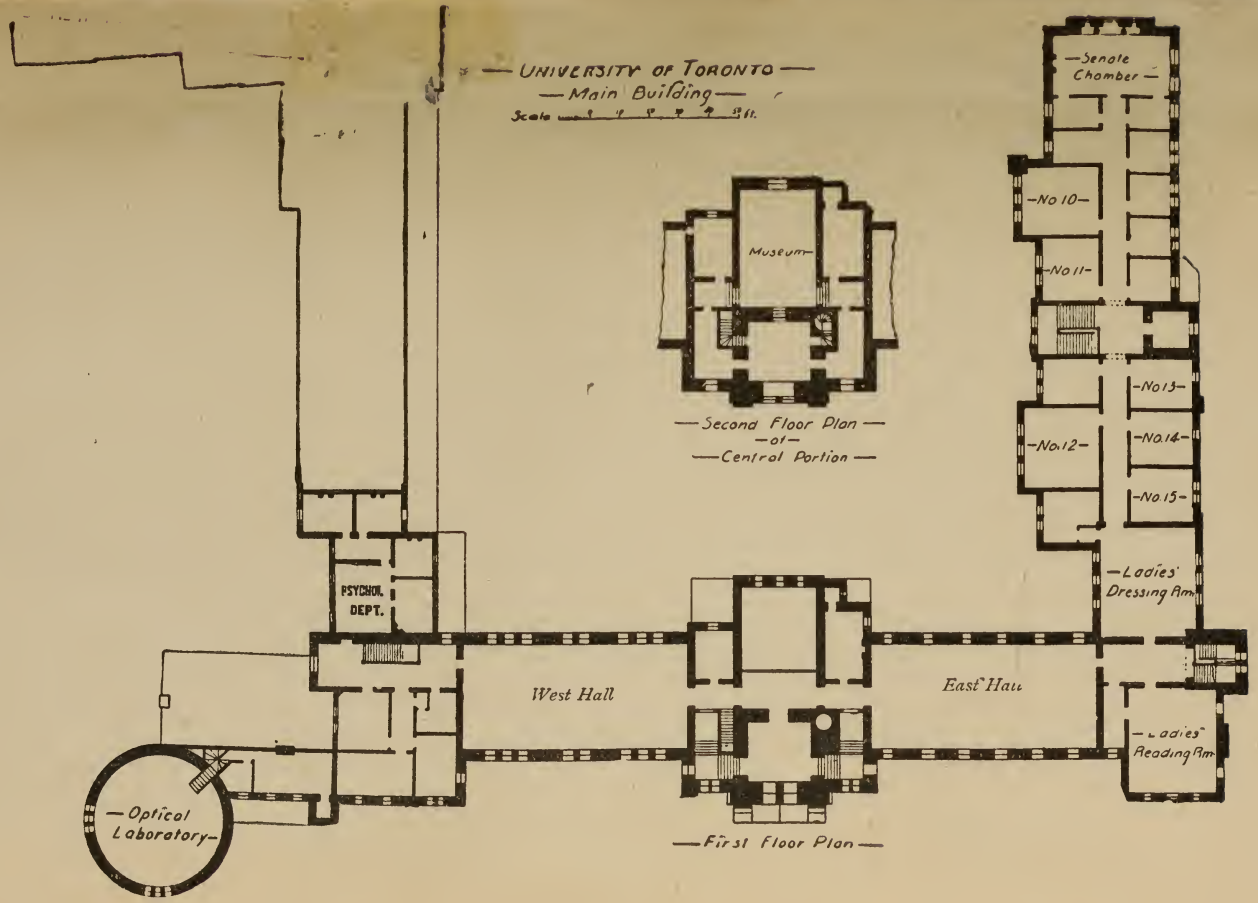
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— Central Portion —
— Senate Chamber —
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— Ladies' Dressing Rm.
PSYCHOL. DEPT.
West Hall
East Hall
— Ladies' Reading Rm.
— Optical Laboratory —
— First Floor Plan —

MAIN BUILDING.

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THE

CALENDAR

OF THE

University of Toronto

FOR THE YEAR

1907 - 1908

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ADMINISTRATIVE OFFICERS.

THE UNIVERSITY.

President (pro tempore).....Maurice Hutton, M.A., LL.D.
Vice-President.....R. Ramsay Wright, M.A., LL.D.
Registrar.....James Brebner, B.A.
Bursar.....F. A. Mouré, Esq.
Librarian.....Hugh H. Langton, M.A.
Curator of the Museum.....H. Montgomery, M.A., B.Sc., Ph.D.
Physical Director.....J. W. Barton, M.D.
Superintendentof Buildings and Grounds.....C. G. Campbell, B.A.

COLLEGES IN THE FACULTY OF ARTS.

UNIVERSITY COLLEGE.

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Registrar.....Malcolm W. Wallace, B.A., Ph.D.

VICTORIA COLLEGE.

President.....Rev. N. Burwash, S.T.D., LL.D.
Registrar.....A. R. Bain, M.A., LL.D.

TRINITY COLLEGE.

Provost.....Rev. T. C. S. Macklem, M.A., D.D., LL.D.
Registrar.....A. H. Young, M.A.

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ARTS.

President (pro tempore).....Maurice Hutton, M.A., LL.D.
Dean.....R. Ramsay Wright, M.A., LL.D.
Secretary (pro tempore).....James Brebner, B.A.

MEDICINE.

President (pro tempore).....Maurice Hutton, M.A., LL.D.
Dean.....R. A. Reeve, B.A., M.D., LL.D.
Secretary.....A. Primrose, M.B., C.M.
Assistant Secretary.....J. J. Mackenzie, B.A., M.B.

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President (pro tempore).....Maurice Hutton, M.A., LL.D.
Dean.....John Galbraith, M.A., C.E., LL.D.
Registrar.....A. T. Laing, B.A.Sc.

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President (pro tempore).....MAURICE HUTTON, M.A., LL.D.
Dean.....
Secretary.....CLARA C. BENSON, B.A., PH.D.

EDUCATION.

President (pro tempore).....MAURICE HUTTON, M.A., LL.D.
Dean.....W. PAKENHAM, B.A.
Secretary.....

FORESTRY.

President (pro tempore).....MAURICE HUTTON, M.A., LL.D.
Dean.....BERNHARD E. FERNOW, LL.D.
Secretary.....

NOTE:—Communications relating to standing in all Faculties and Departments and to curricula, instruction and examinations in Graduate Courses, Law, Dentistry, Pharmacy, Agriculture, Music, Pedagogy, Gymnastics and Drill, Commerce and Veterinary Science are to be addressed to the Registrar of the University; correspondence regarding curricula, instruction and examinations in a particular Faculty is to be sent to the Secretary of that Faculty, while enquiries with reference to College instruction and residence are to be addressed to the Registrar of the College concerned.

CALENDAR, 1907.

JANUARY.

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CALENDAR, 1908.

JANUARY.

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CALENDAR 1907—1908.

1907—July	3	Wednesday	—Summer Session begins.
Aug.	6	Tuesday	—Summer Session closes.
Sept.	2	Monday	—Last day for receiving applications for the September Examinations in Arts.
Sept.	16	Monday	—Registration of matriculated students in Arts by the Registrars of the University and Colleges.
Sept.	17	Tuesday	—Supplemental Examinations in Arts begin.
Sept.	17	Tuesday	—Registration in Medicine by the Secretary of the Faculty of Medicine.
Sept.	23	Monday	—Meeting of the Council of the Faculty of Applied Science.
Sept.	23	Monday	—Supplemental Examinations in Dentistry begin.
Sept.	24	Tuesday	—Supplemental Examinations in Applied Science begin.
Sept.	27	Friday	—Registration in Applied Science by the Registrar of the Faculty of Applied Science.
Sept. 23-28		Monday-Saturday	—Non-matriculated students desiring registration in Arts must present themselves, for permission to register, to the Colleges and University.
Sept.	30	Monday	—Meeting of the Council of the Faculty of Arts.
Oct.	1	Tuesday	—Academic Year begins.
Oct.	1	Tuesday	—Enrolment in classes by the various Professors.
Oct.	1	Tuesday	—Last day for presentation of vacation work in Applied Science.
Oct.	4	Friday	—Meeting of the University College Council.
Oct.	4	Friday	—Meeting of the Council of the Faculty of Medicine.
Oct.	7	Monday	—Meeting of the Council of the Faculty of Arts.
Oct.	11	Friday	—Meeting of the Council of the Faculty of Applied Science.
Oct.	11	Friday	—Meeting of Senate.
Nov.	1	Friday	—Meeting of University College Council.

Nov. 1 Friday —Meeting of the Council of the Faculty of Medicine.
Nov. 4 Monday —Meeting of the Council of the Faculty of Arts.
Nov. 8 Friday —Meeting of the Council of the Faculty of Applied Science.
Nov. 8 Friday —Term Meeting of Senate.
Dec. 6 Friday —Meeting of University College Council.
Dec. 6 Friday —Meeting of the Council of the Faculty of Medicine.
Dec. 9 Monday —Meeting of the Council of the Faculty of Arts.
Dec. 10 Tuesday —Local Examinations in Music begin.
Dec. 13 Friday —Meeting of the Council of the Faculty of Applied Science.
Dec. 13 Friday —Meeting of Senate.
Dec. 16 Monday —Last day for receiving applications for the January Examination in Arts.
Dec. 16-19 Monday-Thursday —Term Examinations.
Dec. 19 Thursday—Last day of Lectures. Term ends at 5 p.m.
Dec. 20 Friday —Railway certificates issued.
Dec. 25 Wednesday—University Buildings closed.

1908—Jan. 1 Wednesday—University Buildings closed.
Jan. 3 Friday —Meeting of University College Council.
Jan. 3 Friday —Meeting of the Council of the Faculty of Medicine.
Jan. 3 Friday —Supplemental Examinations in Arts.
Jan. 6 Monday —Easter Term begins.
Jan. 6 Monday —Meeting of the Council of the Faculty of Arts.
Jan. 10 Friday —Meeting of the Council of the Faculty of Applied Science.
Jan. 10 Friday —Meeting of Senate.
Feb. 7 Friday —Meeting of University College Council.
Feb. 7 Friday —Meeting of the Council of the Faculty of Medicine.
Feb. 10 Monday —Meeting of the Council of the Faculty of Arts.
Feb. 14 Friday —Meeting of the Council of the Faculty of Applied Science.
Feb. 14 Friday —Meeting of Senate.
Mar. 3 Tuesday —Faculty Dinner.
Mar. 4 Wednesday—University Buildings closed.
Mar. 6 Friday —Meeting of University College Council.
Mar. 6 Friday —Meeting of the Council of the Faculty of Medicine.

Mar.	9	Monday	—Meeting of the Council of the Faculty of Arts.
Mar.	13	Friday	—Meeting of the Council of the Faculty of Applied Science.
Mar.	13	Friday	—Meeting of Senate.
Mar.	16	Monday	—Last day for receiving applications for Annual Examinations in Arts, Law and Medicine.
Mar.	31	Tuesday	—Last day for submitting LL.B. theses.
Mar.	31	Tuesday	—Last day for submitting B.A.Sc. theses.
April	1	Wednesday	—Last day for submitting M.A. theses.
April	3	Friday	—Meeting of University College Council.
April	3	Friday	—Meeting of the Council of the Faculty of Medicine.
April	6	Monday	—Meeting of the Council of the Faculty of Arts.
April	7	Tuesday	—Lectures and practical work in Applied Science cease.
April	10	Friday	—Meeting of the Council of the Faculty of Applied Science.
April	13	Monday	—Annual Examinations in Applied Science and Engineering begin.
April	14-16	Tuesday-Thursday.	—Term Examinations.
April	15	Wednesday	—Examinations for B.A.Sc. begin.
April	16	Thursday	—Lectures in Arts end.
April	17	Friday	—University Buildings closed.
April	20	Monday	—Annual Examinations in Dentistry begin.
April	24	Friday	—Term Meeting of Senate.
May	1	Friday	—Annual Examinations in Arts, Law, Medicine, Pharmacy, Music and Agriculture begin.
May	1	Friday	—Last day for receiving applications for the Alexander Mackenzie Fellowships in Political Science.
May	1	Friday	—Meeting of University College Council.
May	1	Friday	—Meeting of the Council of the Faculty of Medicine.
May	1	Friday	—Last day for receiving applications for the June Examinations in Arts.
May	4	Monday	—Meeting of the Council of the Faculty of Arts.
May	5	Tuesday	Meeting of the Board of Examiners in Applied Science.
May	8	Friday	—Meeting of the Council of the Faculty of Applied Science.
May	18	Friday	—Medical Sessions ends.

May 25 Monday —University Buildings closed.
May 25 Monday —Last day for receiving applications from candidates for Scholarships.
June 1 Monday —Last day for receiving applications for Fellowships.
June 2 Tuesday —Local Examinations in Music begin.
June 12 Friday —University Commencement.
June 17 Wednesday—Senior Matriculation Examination begins.
June 17 Wednesday—Junior and Senior Matriculation Examinations at centres outside the Province of Ontario begin.
July 1 Wednesday—University Buildings closed.

University of Toronto.

FACULTY OF ARTS.

1906-1907.

President (pro tempore).....MAURICE HUTTON, M.A., LL.D.
Vice-President and Dean of the Faculty,
ROBERT RAMSAY WRIGHT, M.A., B.Sc., LL.D.
Secretary (pro tempore).....JAMES BREBNER, B.A.

ALBERT HOLDEN ABBOTT, B.A., PH.D.,
Assistant in Psychological Laboratory and Lecturer in Philosophy. 46 Howland Ave.

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Lecturer in Chemistry. 1642 Brunswick Ave.

ALFRED BAKER, M.A.,
Professor of Mathematics. 81 Madison Ave.

ANDREW JAMES BELL, M.A., PH.D.,
Professor of Comparative Philology. 17 Avenue Road.

BENJAMIN ARTHUR BENSLEY, B.A., PH.D.,
Associate Professor of Zoology and Assistant Curator of the Biological Museum. 1526 Brunswick Ave.

ELI FRANKLIN BURTON, B.A.,
Demonstrator in Physics. 129 Howland Ave.

CHARLES AUGUSTUS CHANT, M.A., PH.D.,
Lecturer in Physics. 52 Avenue Road.

ARTHUR PHILEMON COLEMAN, M.A., PH.D.,
Professor of Geology. 476 Huron Street.

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Associate Professor of Italian and Spanish. 22 Madison Ave.

ALFRED TENNYSON DE LURY, M.A.,
Associate Professor of Mathematics. University of Toronto.

JOSEPH HORACE FAULL, B.A., PH.D.,
Lecturer in Botany. 102 Yorkville Ave.

JOHN CHARLES FIELDS, B.A., PH.D.,
Associate Professor of Mathematics. 60 Sussex Ave.

WILLIAM HENRY FRASER, M.A.,
Professor of Italian and Spanish. 67 Madison Ave.

LACHLAN GILCHRIST, M.A.,
Demonstrator in Physics. 201 McCaul Street.

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Professor of History of Philosophy. 58 Spadina Road.

FRANCIS BOTELER KENRICK, M.A., PH.D.,
Associate Professor in Chemistry. 73 Baldwin Street.

AUGUST KIRSCHMANN, M.A., PH.D.,
Professor of Philosophy and Director of the Psychological Laboratory. 4 Russell Street.

EDWARD JOSEPH KYLIE, B.A.,
Lecturer in Modern History. 99 Bedford Road.

WILLIAM ROBERT LANG, D.SC., F.I.C.,
Professor of Chemistry and Director of the Chemical Department. The Alexandra Apartments.

AUGUSTUS HENRY FRASER LEFROY, M.A.,
Professor of Roman Law and Jurisprudence. 173 Balmoral Ave.

WILLIAM JAMES LOUDON, B.A.,
Associate Professor of Physics. 133 Walmer Road.

ARCHIBALD BYRON MACALLUM, PH.D., LL.D., F.R.S.,
Professor of Physiology. 59 St. George Street.

MICHAEL ALEXANDER MACKENZIE, M.A.,
Associate Professor of Mathematics. 1 Bellwoods Park.

SIMON JAMES MCLEAN, B.A., LL.B., PH.D.,
Associate Professor of Political Economy. 422 Givens Street.

JOHN CUNNINGHAM MCLENNAN, B.A., PH.D.,
Associate Professor of Physics and Director of the Physical Laboratory. The Dean's House.

JAMES MAVOR,
Professor of Political Economy. 8 University Crescent.

WILLIAM LASH MILLER, B.A., PH.D.,
Associate Professor of Physical Chemistry. 50 St. Albans Street.

WILLIAM ARTHUR PARKS, B.A., PH.D.,
Associate Professor of Geology. 69 Albany Ave.

ARTHUR LEONARD PARSONS, B.A.,
Lecturer in Mineralogy. 223 Robert Street.

WILLIAM HUNTER PIERSOL, B.A., M.B.,
Lecturer in Elementary Biology and Histology. 26 Albany Avenue.

THOMAS RUTHERFORD ROBINSON, M.A., PH.D.,
Lecturer and Laboratory Assistant in Philosophy. 43 Gore Vale Ave.

WILLIAM GEORGE SMITH, B.A.,
Lecturer in Philosophy and Assistant in Psychological Laboratory. 185 Albany Ave.

ROBERT BOYD THOMSON, B.A.,
Lecturer in Botany. 111 Beech Ave.

FREDERICK TRACY, B.A., PH.D.,
Associate Professor of Philosophy. 173 Walmer Road.

EDMUND MURTON WALKER, B.A., M.B.,
Lecturer in Zoology. 99 St. George Street.

THOMAS LEONARD WALKER, M.A., PH.D.,
Professor of Mineralogy and Petrography. 62 Maple Ave.

ROBERT RAMSAY WRIGHT, M.A., B.SC., LL.D.,
Professor of Biology. St. George Apartments.

GEORGE MCKINNON WRONG, M.A.,
Professor of Modern History. 467 Jarvis Street.

JAMES MCGREGOR YOUNG, M.A.,
Professor of Constitutional and International Law and Constitutional History. 7 Roxborough Street East.

SESSIONAL APPOINTMENTS.

ROBERT GARDINER ARMOUR,
Assistant Demonstrator in Physiology. 103 Avenue Road.

THOMAS BOLES ALLEN, B.A.,
Junior Assistant in Chemistry. 154 Morse Street.

FRANK LOUIS BARBER, M.A.,
Class Assistant in the Psychological Laboratory. 249 McCaul Street.

IRVING RUSSELL BELL, B.A.,
Class Assistant in Biology and Assistant Demonstrator in Physiology. 72 Robert Street.

EDMUND BOYD, B.A.,
Lecture and Laboratory Assistant in Biology. 119 Bloor Street East.

ALEXANDER GRANT BROWN, B.A.,
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The Constitution, powers and functions of the University are defined in "The University Act, 1906."

The management of the property, finances and academic business of the University is entrusted to the Board of Governors, the Senate, Convocation, the Faculty Councils, the Council of University College and the Caput. The functions of these various bodies are exercised subject to supervision and control by the Crown, as hereafter explained.

1. THE CROWN.—The Lieutenant-Governor-in-Council has the power to appoint and to remove the Board of Governors (with the exception of the Chancellor and the President); to appoint and remove the Chairman of the Board; his assent is necessary before the Board can make any expenditure which impairs the endowment of the University or College; through the Provincial Auditor or someone else appointed by himself, he audits the accounts of the Board and he requires of them an Annual Report for submission to the Legislature.

2. THE BOARD OF GOVERNORS.—The Board of Governors consists of: The Chancellor and the President, ex-officio, and eighteen persons appointed by the Lieutenant-Governor-in-Council, one of whom is named as Chairman of the Board. The appointed members hold office for six years, and one-third of the number retires every two years, but these members are eligible for re-election. The Board has power to appoint the President of the University; and to appoint or remove all of the officers and servants of the University or University College upon the nomination or recommendation of the President. The government, conduct, management and control of the University and University College and of the property, revenues, business and affairs thereof are vested in the Board (University Act, 1906, Section 37), but all expenditures of endowment must be authorized by the Lieutenant-Governor-in-Council. The Board makes by-laws, rules and regulations regarding the investment of the funds; the selling and leasing of University properties; the letting of contracts; the appointment and removal of the Bursar and his assistants, clerks and other officers and servants of the University; the

rate of salaries to be paid to the staff and officers; the fees to be paid by students; the annual appropriations and the transaction of other business.

3. The Senate.—The Senate consists of four classes of members: (1) Ex-officio members; (2) Faculty members; (3) Appointed members; and (4) Elected members. The ex-officio members are the Chancellor, the Chairman of the Board of Governors, the President of the University, the Principal of University College, the President or other head of each federated university or college, the Deans of the Faculties of Arts, Medicine, Applied Science and Engineering, Household Science and Education and all past Chancellors and Vice-Chancellors. Representation of the Faculties is made up as follows:—The professors, not including the associate professors, of the Faculty of Arts of the University; five members of the Faculty of Medicine; five members of the Faculty of Applied Science and Engineering; three members from each of the three Arts Colleges, University College, Victoria University and Trinity College. The appointed members consist of one representative appointed by each federated university, two by each federated college, one by the Law Society of Upper Canada and one by each federated institution, subject, however, in the latter case, to certain restrictions. The elected members number thirty-six, made up of twelve members representing the graduates in Arts who at graduation were enrolled in University College; five members each representing similar graduates in Victoria College and Trinity College; four representing the graduates in Medicine; two each representing the graduates in Applied Science and Engineering, and in Agriculture; two representing the graduates in Law; and four representing the principals of collegiate institutes or high schools or assistants therein who are actually engaged in teaching in such an institute or school. The graduates in Medicine and Law of Victoria University and Trinity College vote with the graduates of the University of Toronto in these same faculties.

The body thus composed is renewed once in four years, when all except the ex-officio members and the representatives of the Faculty of Arts of the University must retire, but are eligible for re-appointment or re-election. The Chairman of the Senate is the President.

The Senate has the power to fill any vacancy which may occur among the elected members of the Senate and to return a final decision in any dispute which may arise in connection with the Senate elections. Among the powers and duties of the Senate are the following:—To provide for the regulation and conduct of its proceedings; for the granting of degrees, including honorary degrees, and certificates of proficiency, except in Theology; for the establishment of exhibitions, scholarships and prizes; for the affiliation of any college established in Canada; for the dissolution or modification of the terms of affiliations; for the cancellation, recall and suspension of degrees; for the establishment of any faculty, department, chair or course of instruction in the University, or any department, chair or course of instruction in University College, except Theology; for the conduct of the election of members of the Senate; for the appointment of examiners and the conduct of all University examinations other than those in the faculties; for the representation on the Senate of any faculty which may hereafter be established; for the preparation and publication of the calendars; to consider and determine on the report of the faculties, the courses of study in these faculties; and all other courses of study for which no faculty is created; to consider and determine on the report of the various Faculty Councils, the appointment of examiners, and the conduct and results of the examinations in these faculties; to consider such matters as may be reported to it by the Council of any faculty and to communicate its opinion or action thereon to the Council; to hear and determine appeals from decisions of the Faculty Councils upon applications and memorials by students and others; to make rules and regulations for the management and conduct of the Library and to prescribe the duties of the Librarian; to make such changes in its own composition as may be deemed expedient; to make such recommendations to the Board as may be deemed proper for promoting the interests of the University and of University College or for carrying out the objects and provisions of the Act.

4. CONVOCATION.—Convocation consists of the whole body of graduates of the University, in all faculties. Except indirectly through its elected representatives, no part of the management of the University is exercised by it as a whole.

It elects the Chancellor, and, in divisions according to faculty, it elects members of Senate as its representatives in Arts, Medicine, Law, Applied Science and Engineering and Agriculture. Any question relating to University affairs may be discussed by it, and a vote taken. The result of such discussion is communicated to the Senate, which must consider the representation made, and return to Convocation its conclusion thereon.

5. Faculty Councils.—The five faculties of Arts, Medicine, Applied Science and Engineering, Household Science and Education have each a Council, the President being Chairman, ex-officio, of the first and the Deans of the respective faculties of the other four. All professors and associate professors engaged in teaching students of any faculty have a seat and vote upon the Council of the Faculty whose students they teach; lecturers also, provided they are upon the permanent staff, have a seat but no vote upon the Council. Each Council is autonomous, and has the settlement in the first instance of all applications and memorials from its students, and the drawing up of a curriculum of studies, and the appointment of examiners and conduct of examinations. In the case of applications and memorials the settlement by the Council is subject to an appeal to the Senate; in the case of courses of studies, appointment of examiners and conduct of examinations, the decisions of the Councils are subject to the approval of and confirmation by the Senate.

The Council of the Faculty of Arts includes the Principal of University College, the President or other head of every federated university, the Dean of the Faculty of Arts, the teaching staff of University, Victoria and Trinity Colleges (except in the case of those whose appointments are temporary), and one professor in the Department of Religious Knowledge appointed by each federated university or college.

6. The Caput.—The Caput is a committee composed of the President, the Principal of University College, the Heads of the federated universities, the Heads of the federated colleges, and the Deans of the faculties of the University.

It has power to authorize teaching and lectures by others than the duly appointed members of the teaching staff, to exercise discipline over students, where more than one college or one faculty is concerned, or where breaches of disci-

pline occur outside the buildings or grounds appropriated to the several colleges and faculties.

7. THE COUNCIL OF UNIVERSITY COLLEGE.—This body is composed of the Principal and the Professors and Associate Professors of the College. It has committed to it the direction and management of the College with full authority over and entire responsibility for the discipline (including the imposition of reasonable fines) of the undergraduates in relation to the lectures and other instruction of the professors, lecturers and other teachers of the College; and no lecturing or teaching of any kind may be carried on in the College by any other than the duly appointed professors or teachers without the authority of the Council.

8. FEDERATED INSTITUTIONS.—The following institutions are federated with the University, viz., Victoria College, Trinity College, Knox College, Wycliffe College and St. Michael's College. The President or other head of each is, ex-officio, a member of the Senate and of the University Council. In addition, Knox, Wycliffe and St. Michael's Colleges each appoint two other representatives on the Senate. Victoria College and Trinity each appoint one member and the graduates of each elect five more representatives to represent each College. All regular students matriculated in the University who are enrolled in University College or Victoria College or Trinity College and who enter their names with the Registrar of the University are entitled to free instruction in Arts in the University. But this provision does not include exemption from laboratory fees, nor does it apply to postgraduate instruction. When a federated college by arrangement with the University Council, teaches any part of the Arts course the Board of Governors may make a reduction in the fees of students taught in such College.

9. REVENUES OF THE UNIVERSITY.—In addition to the remains of the original endowment and additions made to it from time to time (under which heads this University is possessed of an annual income of about sixty thousand dollars) the Legislature grants to the University fifty per cent. of the average Succession Duties determined upon the gross receipts from such duties during the three preceding years; the amount, as at present, exceeds two hundred and fifty thousand dollars.

GENERAL INFORMATION FOR STUDENTS.

DISCIPLINE.

The Council of University College, and the governing bodies of the federated universities and colleges, respectively, have disciplinary jurisdiction over and entire responsibility for the conduct of their students in respect of all matters arising or occurring in or upon their respective college buildings and grounds, including residences.

The councils of such of the faculties as have assigned for their separate use any building or buildings and grounds, including residences, have disciplinary jurisdiction over and entire responsibility for the conduct of all students in their respective faculties in respect of all matters arising or occurring in or upon such building, or building and grounds.

In all such cases, and, save as aforesaid, as respects all students to whatsoever college or faculty they may belong, disciplinary jurisdiction is vested in the Caput, but the Caput may delegate its authority in any particular case or by any general regulation to the council or other governing body of the university or college or faculty to which the student belongs.

The Caput has also power and authority to determine by general regulation, or otherwise, to what college, faculty or other body the control of university associations belongs.

If there be any question as to the proper body to exercise jurisdiction in any matter of discipline which may arise, the same shall be determined by the Caput, whose decision shall be final.

Disciplinary jurisdiction includes the power to impose fines.

THE LIBRARY.

The University Library occupies a separate building erected almost wholly by private benefaction, and completed in 1892. Besides a fire proof book room with a storage capacity of 100,000 volumes, it contains a reading room capable of seating upwards of 200 readers, a periodical room, seven departmental libraries, offices, cloak rooms and conversation

LIBRARY.

rooms. The building is heated by steam throughout, thoroughly ventilated and supplied with electric light. The library contains at present upwards of 87,000 volumes together with upwards of 22,000 unbound pamphlets. It is provided, as far as the income permits, with the standard and current literature of all subjects taught in the University. In the departments of the natural and physical sciences it includes the principal journals and transactions of societies. In the departments of language and literature, the works of all authors of primary or secondary importance from the origins of each literature to the present time are available, as well as the principal philological and literary periodicals. Corresponding facilities are provided in the departments of philosophy, history and political science. The library is a circulating one for members of the Faculty, and a library of reference for students. The latter, however, are allowed under certain conditions the use of books at home outside of library hours, and students engaged in special work, requiring the consultation of books of reference, are allowed access to the stack room by the librarian on the recommendation of the professors. The departmental libraries are in charge of the professors in each department, and contain special reference collections of books. These rooms are intended for the instruction of advanced students, who may also at the discretion of their professors use the rooms and the books contained in them for private study. The conversation rooms situated in the basement, are intended for the use of students who wish to withdraw for the purpose of discussion or combined study, to avoid disturbance of the reading room proper where absolute quiet must be observed. Besides the general library, there are also special collections of periodicals and monographs situated in the Biological Building, the Medical Building, and in connection with the departments of Physics, Psychology and Law in the main University Building for the use of students and staff engaged in practical work.

THE PHYSICAL LABORATORY.

The Physical Laboratory, established in 1878, is situated in the western part of the Main Building, and consists of a set of rooms for elementary work, together with a number of

BIOLOGICAL BUILDING, WEST WING.

special laboratories. The apparatus in the former is suitable for a general course of experiments in physics, including mechanics, geometrical and physical optics, heat, sound, electricity and magnetism. The special laboratories are equipped for the use of advanced undergraduate students taking the honour course in physics and for post-graduate students pursuing original investigations.

In connection with the laboratory is a well-equipped workshop in charge of skilled mechanicians who make the necessary repairs and construct most of the apparatus required for the work of research students.

A new Physical Laboratory is in course of erection on the University grounds between the Convocation Hall and the Chemical Laboratory. The building is planned on the unit system and will be supplied with a complete modern equipment. The laboratory is designed to accommodate the students in physics of the Faculties of Arts, Medicine, Applied Science and Household Science, and in Dentistry, which at the present time number over eight hundred.

THE PSYCHOLOGICAL LABORATORY.

The Psychological Laboratory, which was established in 1892, and has been greatly extended since, is situated in the west wing of the main University Building. It is well equipped for investigation in psycho-physics, psychological optics, acoustics and space and time relations of mental phenomena. There is in connection with the Laboratory, a branch library containing the periodicals and the special literature of experimental psychology.

THE BIOLOGICAL BUILDING.

The Biological Building is formed of a central portion, which contains the Biological Museum, and east and west wings, the latter of which is chiefly occupied with the Anatomical Department. The east wing, on the other hand, contains the twelve rooms and laboratories of the Biological Department proper; on the ground floor is the large lecture room, accommodating upwards of 250 students, with suitable cloak rooms, etc., attached. In addition to this are private

rooms, a preparation room, departmental library, and a large laboratory for the students of the Fourth Year. Above the lecture room on the first floor is situated the elementary laboratory used for the practical instruction of the large classes of students in the First Years in Arts and Medicine, while the remainder is occupied by a lecture room for small classes, a laboratory for students of the Third Year, a photographic room, a draughting room for the preparation of diagrams, a laboratory for vegetable physiology and bacteriology, and various private rooms. The second floor contains two rooms for the preparation and storage of museum specimens, two for the accommodation of live animals, and also two hot houses for use in connection with the practical courses in botany. In the basement are store rooms for alcoholic museum specimens and for glassware, a carpenter's shop and an aquarium.

The laboratories are provided with microscopes and all apparatus used by the students in morphological work; the advanced laboratories are furnished with necessary works of reference, and the lecture rooms with projection apparatus and very complete series of diagrams.

THE BIOLOGICAL MUSEUM.

The University Biological Museum forms the central portion of the Biological Building, and is open to the public. It is primarily intended as an educational museum for the students taking biology as part of their University work, but it has proved also of great interest to the general public. It is arranged in such a way as to facilitate the most elementary as well as the most advanced studies, each specimen, as far as possible, being furnished with a printed label indicating the most salient points which it is designed to illustrate.

The public entrance to the Museum is approached from the west facade of the Biological Building, while the students gain access to the rooms through the eastern wing, in which the laboratories are situated. The interior of the Museum, which occupies two floors, is subdivided into four rooms, seventy-five by twenty-five feet in size, and amply lighted by handsome windows on the north and south sides. Three of these rooms are devoted to animal biology, while the fourth is arranged for the illustration of vegetable biology.

The public entrance opens into the north ground floor room, the wall cases of which contain stuffed specimens of the various orders of mammals, while the free-standing cases between the windows illustrate the comparative anatomy and development of that class. All the show cases are constructed of iron and plate glass, those destined for the exhibition of smaller specimens standing on wooden storage cases, built of cherry and cedar, and containing skins and other specimens for private study. The south ground floor room is devoted to the remaining vertebrate classes, the wall cases containing stuffed specimens of birds, reptiles, batrachians and fishes, and the smaller cases between the windows containing specimens illustrating the comparative anatomy and development of these classes.

A handsome staircase decorated with busts of distinguished biologists connects the ground floor with the first floor; a number of wall cases in ascending series contains a small collection of fossils from all parts of the world, as a graphic illustration of the relative position of the fossiliferous strata, and of their characteristic remains.

The south first floor contains illustrative specimens of all the remaining branches of the animal kingdom, the arthropods and molluscs being exhibited in the wall cases and the table cases standing in the alcoves of these, while the protozoa, sponges, cœlenterates, echinoderms and worms are accommodated in the cases between the windows.

Although the Natural History Museum suffered considerable losses on the occasion of the University fire, these fortunately did not involve the large collection of models and specimens most useful from the educational point of view, while the generosity of public bodies and private individuals has largely repaired the losses referred to, so that the Museum will be found to constitute a most important addition to the instruction furnished in the lecture rooms and laboratories.

THE PHYSIOLOGICAL LABORATORY.

The Physiological Laboratory occupies the southern section of the new Medical Building. It contains a series of laboratories, constructed on the "unit" system, six of which are devoted to experimental physiology and six to physiolo-

CHEMICAL BUILDING.

gical chemistry. These rooms are equipped to furnish complete courses in these subjects to classes of as many as one hundred and fifty students at any one time. There are also laboratories for special courses in these subjects, and in addition a series of eleven small research rooms, each for individual workers on some special topic in bio-chemistry, physiological histology or experimental physiology.

THE CHEMICAL LABORATORY.

The Chemical Building was completed in 1895. It contains in addition to two lecture rooms with accommodation for 300 and 100 students, respectively, special laboratories for qualitative analysis, quantitative analysis, organic preparations, physical chemistry, gas analysis, combustion and furnace operations, and for the prosecution of original investigation. The total number of working places in these laboratories exceeds 200.

GEOLOGICAL AND MINERALOGICAL LABORATORIES.

By the erection of the new Chemistry and Mineralogy Building on College Street the University has secured for the first time really modern laboratory equipment for the departments of Geology and Mineralogy.

For students of science generally brief courses are given in laboratory work, especially in personal examination of type sets of rocks, fossils, minerals and crystal models. These laboratory exercises serve to illustrate the introductory didactic instruction.

For the encouragement of pure crystallography the laboratories are supplied with goniometers of the various types, crystal models, appliances for the cutting of oriented crystal sections and for the physical examination of the same. Practical Petrography is carried on in rooms provided with type sets of rocks, both macroscopic and microscopic. Advanced students are taught to make thin sections of rocks and fossils and to study them microscopically. Students in Palæontology are given instruction in the preparation of material for study and are afforded an opportunity of examining type series of specimens.

The laboratory for the preparation of thin sections of rocks, minerals and fossils is provided with electric diamond saws and grinding appliances for the various types of work incidental to the preparation of thin sections and museum material.

A room is also provided for advanced work in Cartography and Geological Surveying.

The departments possess 28 petrological microscopes and five of other types so that it is now possible to provide advanced students with instruments and sets of thin sections for their own special use. The blowpipe laboratory contains 156 lockers, specially designed for apparatus for students. All students before being admitted to the laboratories are required to make a deposit to cover the cost of breakages during the session.

THE GEOLOGICAL AND MINERALOGICAL MUSEUM.

The eastern portion of the ground floor of the Chemistry and Mining Building at present serves as temporary quarters for the museum of the combined departments. Entrance to this room many be obtained by the door at the south-east corner of the building which will be open to students and the general public from two to five o'clock on academic days.

The south end of the room is occupied by the palaeontological collection, consisting of 100 cases of fossils illustrating the life history of the great groups of invertebrate animals. In this collection are included the B. E. Walker donation and the Matthew types of Cambrian fossils presented by Mr. Wm. MacKenzie. Next to the palaeontological exhibit are arranged the cases of the Ferrier Mineral Cabinet containing practically all known species of minerals.

At the north end of the room a series of 20 cases exhibits the chief igneous and sedimentary rocks.

Around the walls are 21 cases in which are arranged a series of specimens to illustrate the important economic mineral products.

Much material is in the possession of the departments which lack of space prevents from being displayed. To provide for the exhibition of this material and for expansion it is necessary that more commodious quarters be obtained.

THE ETHNOLOGICAL MUSEUM.

The Ethnological Museum is situated in the second storey of the main University Building. It contains that part of the ethnological collection which was saved from the fire of 1890, together with the additions which have been made since that time. There is a fair collection of skulls, including ancient Egyptian and Roman skulls and models of the Neanderthal, Cro-Magnon, and other famous skulls. There are also interesting palœolithic implements from the English and French Drift, and the beginning of a good collection of stone implements from various parts of Canada.

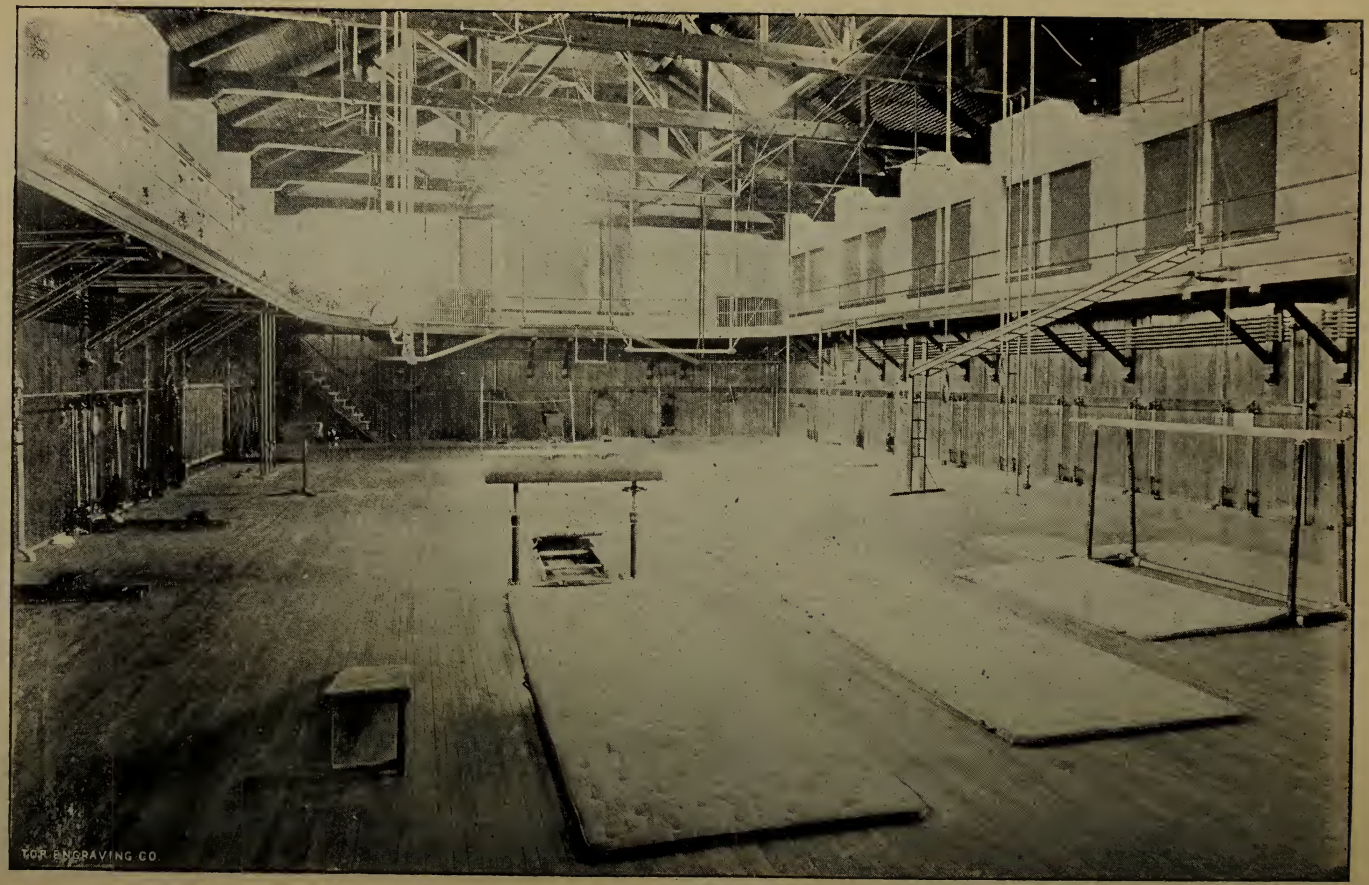
UNIVERSITY PUBLICATIONS.

Under the general title of "University of Toronto Studies," a publication in the interests of scholarship and research is issued, containing selected papers by members of the University. The committee of management is representative of the Faculties in Arts, Medicine and Applied Science. The President of the University is chairman of the committee, and the Librarian is general editor of the publications. From the nature of the publication, there is no regularity of issue, but as papers are accepted and recommended for publication, they are published to the extent of the funds available, without regard to any consideration except that of their value as contributions to the literature of learning.

For lists of studies published to January, 1907, see Appendix.

PUBLIC LECTURES.

In addition to the regular courses of instruction, a number of public lectures on special subjects of interest are delivered annually under the auspices of the University, on Saturday afternoons, by members of the faculty and others whose services are given voluntarily in this work. The lectures cover a large variety of topics, and those delivered hitherto have been numerously attended by the public, as well as by the students of the University. For the list of subjects and lecturers during 1906-1907, see Appendix.



GYMNASIUM.

STUDENT SOCIETIES.

Various societies and associations have been organised for the promotion of social intercourse, literary and scientific activity, music and athletics. For list of officers of these societies, see Appendix.

GYMNASIUM AND ATHLETIC GROUNDS.

The University Gymnasium was completed and equipped in 1893. In 1894, additions were made to the front of the building in which the Gymnasium is situated, consisting of committee rooms and a large hall for public meetings. This additional accommodation is available for the work of the various student societies and for academic purposes. Applications for the use of rooms, accompanied by a list of officers and a copy of the constitution of the society making application, must be made to the President at the beginning of the session, or from time to time as occasion requires. Arrangements have also been made by which recognised societies may obtain the use of committee rooms on application to the janitor of the building.

The Gymnasium is fully provided with the best and most modern appliances for physical culture, and contains a running track, shower baths and swimming bath, besides the necessary dressing rooms and other conveniences. A competent instructor in gymnastics is in constant attendance to superintend and direct the exercises of students. In addition to the lawn in front of the main University Building and the campus in the rear, a large plot of ground on Devonshire Place has been prepared and set apart as an Athletic Field. By this addition the facilities for football, cricket, tennis and other outdoor athletic sports are doubled, as compared with previous accommodation; and by these grounds, in conjunction with the Gymnasium, ample opportunity is afforded to all students for healthful exercise and physical development. To assist in meeting the expenses of the Gymnasium, a nominal annual fee is imposed on those who avail themselves of its advantages. The supervision of all athletic matters has been entrusted by the Council to the Athletic Association, consisting of members appointed from the faculty and repre-

sentatives of the students. All applications of clubs for the use of grounds must be made annually to this board. All such applications must be accompanied by a list of officers. In the case of new clubs, the list of officers must be accompanied by particulars as to the organisation and objects of the club making application.

A diploma in gymnastics and physical drill is granted to those who fulfil the requirements of the curriculum prescribed therefor by the Senate.

UNDERGRADUATE UNION.

Through the efforts of the faculty, graduates, undergraduates and friends of the University, this organisation was established during the session of 1900-1901. It has for its object the promotion of social intercourse among the students of the various faculties, colleges and schools. Apartments for the accommodation of the Union have been provided in a portion of the building formerly occupied by the College Residence.

DINING HALL.

In October, 1900, the Dining Hall, formerly belonging to the College Residence, was reopened. Under the management of a representative committee, students are provided with meals at moderate rates. Full particulars may be obtained at the Dining Hall Office in the Dean's House.

LODGING AND BOARD.

Lodging and board are readily obtainable in numerous private boarding houses within convenient distance of the University, at a cost of from three dollars upwards for comfortable lodging with board; or rooms may be rented at a cost of from one dollar per week upwards, and board obtained separately at moderate rates. A list of accredited boarding houses is kept by the Secretaries of the Young Men's Christian Associations of University College and Victoria College, and students are recommended to consult them with reference to the selection of suitable accommodation.

RESIDENCES.

For Men.

TRINITY COLLEGE.....REV. T. C. STREET MACKLEM, *Provost.*
ST. MICHAEL'S COLLEGE.....REV. FATHER ROCHE, *Superior.*
WYCLIFFE COLLEGE.....REV. T. R. O'MEARA, *Principal.*
KNOX COLLEGE.....REV. WM. MACLAREN, D.D., *Principal.*

For Women.

QUEEN'S HALL.....MRS. JOHN CAMPBELL, *Dean.*
ANNESLEY HALL.....MISS M. E. T. ADDISON, B.A., *Dean.*
ST. HILDA'S COLLEGE.....MISS M. CARTWRIGHT, *Principal.*

INFORMATION FOR STUDENTS IN ARTS.

DEGREES.

The Degree of Bachelor of Arts is conferred on those persons who have completed the prescribed courses of study and passed the required examinations. The courses of study extend over a period of four years, and are divided into General and Honour courses. Attendance on lectures is compulsory, unless a dispensation is granted owing to special circumstances. The degree of Master of Arts is conferred on Bachelors of Arts of at least one year's standing who have complied with the regulations of the Senate. Provision is also made for admission *ad eundem gradum* in the case of both degrees. The degree of Doctor of Philosophy is conferred upon Bachelors of Arts of at least two years' standing, who have complied with the requirements prescribed by the Senate.

ENTRANCE.

Candidates for the degree of Bachelor of Arts may enter this faculty either by Junior Matriculation or Senior Matriculation (the examination of the First Year). The certificate of the Department of Education is accepted *pro tanto* at both of these examinations. The subjects of Latin, English, History, Mathematics; and any two of Greek, French, German, Elementary Experimental Science, are required of all candidates at Junior Matriculation. The subjects of English, Latin; any two of the following languages, viz., Greek, French, German, Hebrew, Spanish; Ancient History, Mathematics and Physics or Biology are required of all candidates at Senior Matriculation. Additional work in the various subjects is prescribed for honour standing. The Junior Matriculation examination for the Province of Ontario is held in July, and applications must be sent to the Education Department before 24th May. A Junior Matriculation examination is also held in June, at various centres outside the Province of

Ontario. The Senior Matriculation examination is held in May and June, and Supplemental examinations for both Junior and Senior Matriculation are held in September, applications for all such examinations being sent to the Registrar of the University of Toronto. All applications must be accompanied by the prescribed fee, namely, five dollars for Junior Matriculation examination, and fifteen dollars for Senior Matriculation. Provision is also made for admission *ad eundem statum*, the fee being ten dollars. The July Junior Matriculation examination is held at the University of Toronto and at the various High Schools and Collegiate Institutes throughout the Province of Ontario. The June Junior Matriculation examination is held at such centres outside the Province of Ontario as may be determined from time to time. The May Senior Matriculation examination is held at the University of Toronto, and the June Senior Matriculation examination is held at the University of Toronto and at such other centres as may be determined from time to time. The Supplemental examinations are held at the University of Toronto only.

INSTRUCTION.

Instruction is given in the various subjects of the Arts course by the faculties of Arts of the University of Toronto, University College, Victoria College and Trinity College. In the division of the work of instruction between these faculties the subjects are assigned as follows:—To the University: Mathematics, Physics, Mineralogy, Geology, Biology, Chemistry, History of Philosophy, Logic and Metaphysics, Comparative Philology, Phonetics, Italian, Spanish, Modern History, Political Economy and Constitutional History, Constitutional and International Law, Roman Law, General Jurisprudence, and History of English Law; and to the Colleges: Latin, Greek, Ancient History, English, French, German, Oriental Literature, Ethics. Instruction in Religious Knowledge is given in Victoria College, Trinity College, Knox College, Wycliffe College and St. Michael's College. St. Michael's College also co-operates with the University in the work of instruction in Modern History and Philosophy.

EXAMINATIONS.

In addition to the Matriculation examination mentioned above, candidates proceeding to the degree of Bachelor of Arts are required to pass an annual examination, held in the month of May, in all the subjects of their course of study. In each year and subject of the general course a report from the teaching staff is required, based upon such tests of proficiency as may be deemed most suitable by the staff. This report is incorporated with the results of the May examination, of which it constitutes an essential part. No candidate in a course involving practical work in a laboratory will be admitted to examination if the Professor under whom his work is carried on reports that he has neglected his laboratory work or signally failed in the practical examinations.

PRIZES, MEDALS AND SCHOLARSHIPS.

Through the generosity of friends of the University and of the Arts Colleges, a large number of prizes, medals, scholarships and fellowships are awarded upon the results of the various examinations. The particulars of those offered at Junior Matriculation will be found at pp. 90-97; and for those open to undergraduates and graduates at pp. 131-151.

FELLOWSHIPS.

Tutorial Fellowships are offered in Mathematics, Chemistry and Biology. They are of the value of $500, and are open to graduates of the University only. The Fellows are appointed annually, and are eligible for reappointment for a period not exceeding three years in all. Fellowships are also offered in Political Science and Philosophy.

INFORMATION FOR STUDENTS IN MEDICINE.

The twenty-first session since the re-establishment of the Medical Faculty of the University of Toronto will commence on Tuesday, the 1st of October, 1907, when the opening lecture will be delivered at 8.30 p.m., in Convocation Hall.

DEGREES.

The degree of M.B. is given to the students who have matriculated and who have completed the prescribed course of study and passed the examinations required. The degree of M.D. is conferred on Bachelors of Medicine of at least one year's standing who have presented an approved thesis or who have passed a prescribed examination.

ENTRANCE.

Candidates for a degree must pass the Junior Matriculation examination, unless (1) they possess a degree in Arts, not being an honorary degree, from any Canadian or British University; or, (2) have already matriculated in the faculty of Arts or in the faculty of Law in this University; or, (3) have been registered as matriculates in the College of Physicians and Surgeons of Ontario. Candidates may delay Matriculation until any time before the Second examination for the degree of M.B., but if possible candidates should matriculate before commencing their medical studies.

INSTRUCTION.

The course of instruction given by the faculty of Medicine prepares students primarily for the degree of M.B., and for the license of the Ontario College of Physicians and Surgeons, but it fulfils the requirements of other Canadian and British Universities and it aims at giving the student such a training in the sciences as is now exacted of all those who desire to obtain any British medical qualification in addition to a Canadian one.

The new building of the faculty of Medicine has been

completed, and is fully equipped. A detailed description of it will be found elsewhere in the calendar. With the completion of this building, a series of laboratories and lecture theatres is provided on the University grounds where the most ample facilities are afforded for both the practical and didactic instruction of students in every department embraced in the medical curriculum. The laboratories of the new building will be devoted solely to the departments of Physiology and Pathology, and in addition to the provision made for instruction of undergraduate students, a series of special laboratories is to be found, fully equipped for research work. As heretofore, lectures and demonstrations will be given in the Biological, Chemical, Physical and Anatomical Laboratories and lecture rooms of the University. It is impossible to provide more complete and efficient accommodation for the teaching of scientific medicine than that which exists in the University of Toronto to-day.

Clinical instruction is given in the Toronto General Hospital, the Mercer Eye and Ear Infirmary, the Burnside Lying-in Hospital, the Hospital for Sick Children, St. Michael's Hospital and other medical charities of Toronto. The facilities for clinical instruction have been very greatly improved, and the student has the fullest opportunities for making a thorough examination of all the cases of disease which are found in the wards and out-patient rooms of the hospitals. The students are arranged in small classes (of from twelve to fourteen) in order to facilitate this, and to enable the clinical teachers to give as much personal instruction as possible to each student.

The hospital facilities provided for the instruction of students in connection with the University will be greatly augmented in the immediate future. The Toronto General Hospital Trust will be reconstituted and a new and modern hospital will be built where an equipment for the scientific practice of medicine and surgery will be provided second to none on the continent in efficiency. Already upwards of a million dollars have been subscribed to further the building project. The munificent gift of $100,000 by Mr. Cawthra Mulock, will provide unsurpassed accommodation for the treatment of patients in the outdoor department, and will afford exceptional facilities for the instruction of students.

The faculty has in the General Hospital a laboratory for clinical pathology and chemistry, which has been furnished with microscopes and all apparatus required for the examination of pathological fluids and specimens; and students, when they act as clinical clerks, will be admitted to all the privileges of the laboratory.

In the department of anatomy, the arrangements for instruction are now unsurpassed. In addition to other methods of illustrating anatomy, there will be courses in which the projection microscope will be employed to demonstrate to large classes the relational structure of the different parts of the body as exhibited in frozen sections. In materia medica also the course of instruction conforms to the most advanced methods.

The faculty has spared no expense in making the arrangements for medical instruction perfect, and is convinced that these, added to the unrivalled facilities offered by the University laboratories for the study of chemistry, physics, biology, anatomy, histology, physiology and pathology, will furnish the fullest opportunities to the student for acquiring a medical education of the most advanced and most progressive character.

Attention is directed to the recent establishment of a Museum of Hygiene.

EXAMINATIONS.

In addition to the Matriculation examination, candidates are required to pass four examinations, which must be taken in the following order: the First at the end of the first session; the Second at the end of the second session; the Third at the end of the third session, and the Final at the end of the fourth session.

NEW SCIENCE COURSE ADAPTED FOR STUDENTS IN MEDICINE.

The special attention of students entering Medicine is directed to the enactment of the University Senate instituting a curriculum in science leading to the degree of Bachelor of Arts. This course, entitled the honour department of Biological and Physical Sciences, is specially adapted for students who intend entering eventually upon Medicine, and embrace

the purely science subjects which are demanded of students in the primary years of Medicine. It is therefore possible for a candidate who has obtained his Arts degree in this course to enter immediately the Third Year of Medicine, and he will be qualified to present himself for the degree of Bachelor of Medicine two years after graduating in Arts. In other words, it is possible for one to obtain the degrees of Bachelor of Arts and Bachelor of Medicine after six years' study at the University.

The very great advantages of this course to a student entering Medicine are obvious. The preliminary science subjects of the course in Medicine are taught in much greater detail in the Arts course, as in the latter is included advanced laboratory and experimental work, such as is not required in the purely Medical course of studies. Further, the student is required to become proficient in modern languages, an acquirement which is of great value to the student of modern scientific Medicine.

This new course not only affords opportunity for wider culture and greater scientific attainment than is possible in the more limited four years' course in Medicine, but it fits one for a much wider field of usefulness after graduation. The graduate who has taken the science course in Arts and subsequently that of Medicine is qualified to devote his life to the purely scientific side of Medicine if he should so elect after leaving the University, and, moreover, he is undoubtedly better fitted to practice his profession should he desire to prepare himself for that alone.

Students may also combine the courses in Arts and Medicine to a less extent by proceeding to graduation in Arts through any one of the honour departments of biology, chemistry, geology and mineralogy and physics, certain courses and examinations in these departments being accepted as equivalent to similar courses and examinations in the faculty of Medicine.

MEDICAL COUNCIL REQUIREMENTS.

A student desirous of obtaining a license to practice medicine in Ontario must pass the July Matriculation examination of the University of Toronto, including the subjects physics

and chemistry, which entitle him to be registered as a medical student. A fifth year of study is now demanded by the Ontario Medical Council. To meet this requirement a course of instruction has been arranged; students taking this course will have the opportunity of doing special work in the hospitals and laboratories, and they will be permitted to attend whatever didactic lectures they may desire. For official information of all matters relative to the Council's regulations students should communicate directly with Dr. Pyne, Registrar of the Council, 83 Isabella Street, Toronto.

For all information not covered by this announcement, the intending student should apply to Professor A. Primrose, The Medical Laboratories, University of Toronto.

THE MEDICAL BUILDING.

The completion of the Medical Building provides the necessary accommodation for the rapidly increasing classes.

This building, which cost $125,000, is situated between the University Library and the anatomical wing of the Biological Department. An additional $50,000 has been expended on equipment.

It is three storeys in height in front, with an additional storey and sub-basement in the wings, which extend eastward. Two large lecture rooms are provided which flank the main building; the larger has accommodation for about three hundred and fifty students; the smaller for about two hundred students.

In the south wing, in what may be called the basement storey, are situated caretaker's quarters, lavatories, recreation rooms and reading rooms for the students; in the same storey in the north wing is placed a large museum of hygiene.

The three main floors of the building are arranged upon what has been called the unit-system, a unit room being thirty feet long by twenty-three feet deep, lighted on its long face by two large windows.

These rooms may be united so as to form large laboratories or may be cut in two where it is necessary to have smaller rooms.

The south wing is occupied by the Arts department of

Physiology, whilst the main portion of the building and the north wing accommodate the final departments of Medicine.

On the ground floor in the main portion are situated in front the Dean's room, a large faculty room, a laboratory, and a library, behind is placed a large pathological museum.

In the north wing in this floor are placed a chart and preparation room behind the lecture theatre, preparation and store rooms for the pathological museum, and laboratories for gross pathology.

The second and third floors in the same wing and in front contain the laboratories of pathological histology and bacteriology with rooms for the Professor of Pathology and demonstrators, and unit rooms for small special classes.

In the north wing on the third floor units are occupied by the Provincial Board of Health for its bacteriological, and chemical laboratories.

An interesting feature of the building in the provision which is made for research students by the presence of a series of small rooms in front of the south lecture room, each large enough to accommodate one or two workers.

The ventiliation is of the most modern type, and each room provided with both gas and electric light.

The building in every way is thoroughly up-to-date, and in the extent of window light for the laboratories is probably unique on this continent.

INFORMATION FOR STUDENTS IN APPLIED SCIENCE.

DEGREES.

The degrees conferred are Bachelor of Applied Science (B.A.Sc.), Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), and Electrical Engineer (E.E.).

ENTRANCE.

Students may enter the regular course in any department, either (*a*) by presenting certificates of having passed the Matriculation examination of any University in His Majesty's Dominions, or in all the subjects of such Matriculation examination except Greek and Latin, or (*b*) the High School Junior Teacher's examination of the Province of Ontario, including either French or German.

INSTRUCTION.

There are six regular departments of Instruction, in each of which Diplomas are granted, viz., 1. Civil Engineering; 2. Mining Engineering; 3. Mechanical and Electrical Engineering; 4. Architecture; 5. Analytical and Applied Chemistry; 6. Chemical Engineering.

The instruction given in each of these departments is designed to give the student a thorough knowledge of the scientific principles underlying the practice of the several professions and also such a training as may make him immediately useful when he commences active professional work.

The regular course in each department is of three years' duration, and leads to the Diploma. The instruction is given partly in the lecture rooms and partly in the draughting rooms, laboratories and field. A certain amount of the work is laid out for the summer vacation. The course of study in each department is general, and beyond the selection of his department the student has no opportunity to specialise.

THE DEGREE OF B.A.Sc.

After the general course is finished and the diploma granted, the student is at liberty either to enter the active life of his profession or to spend another year in special work. This year is called the Fourth or Post-Graduate Year. Graduates electing to proceed with their studies are allowed to select two subjects from an approved list, and are required to confine their whole attention to these subjects during the Fourth Year. The subjects on this list are such as require a large amount of time to be devoted to laboratory and other practical work. The advanced theoretical instruction is given either at the beginning or end of the working day, in order not to break in upon the time allotted to practical work. During this year the student is required to prepare a thesis on some subject connected with his work. The examinations, written and practical, are conducted by the Faculty. After complying with all requirements, the candidate receives the Degree of Bachelor of Applied Science (B.A.Sc.).

PROFESSIONAL DEGREES.

Bachelors of Applied Science may, after three years spent in professional work, present themselves for the degrees of Civil Engineer (C.E.), Mining Engineer (M.E)., Mechanical Engineer (M.E.), or Electrical Engineer (E.E.), as the case may be, subject to the rules and regulations established by the University.

Faculty of Arts.

MATRICULATION

General Regulations.

Candidates may enter the Faculty of Arts by passing either the Junior or the Senior Matriculation examination.

Candidates for Junior Matriculation must produce satisfactory certificates of good character and of having completed the sixteenth year of their age.

The subjects of Junior Matriculation are as follows:—Latin, English, History, Mathematics, and any two of the following:—Greek, German, French, Experimental Science. In view of the language requirements in the undergraduate course, candidates are strongly recommended to take two languages for their options.

Pass and honour papers will be set in each of these subjects.

The pass papers are as follows:—Latin Authors, Latin Composition; English Grammar, English Composition, English Literature; History; Arithmetic, Algebra, Plane Geometry; Greek Authors, Greek Composition; German Authors, German Composition; French Authors, French Composition; Experimental Science.

The pass standard is thirty-three per cent. of the marks assigned to a paper.

The first class honour standard is seventy-five per cent.; the second class sixty-six per cent., and the third class fifty per cent. of the marks assigned to the subject.

Candidates for honours and scholarships will be examined only on the honour papers in a subject, but candidates who fail to obtain honours may receive pass standing in the subject.

Candidates who have obtained pass standing in at least one-half of the subjects may complete Junior Matriculation by passing in the remaining subjects at a subsequent examination or examinations.

The examination for pass and honour Junior Matriculation is held annually in July at centres in Ontario, and, if application is made to the Senate, the examination may, with the co-operation of the Department of Education, be held at centres outside Ontario.

Applications accompanied by the prescribed fee must be sent not later than the 24th of May to the local Public School Inspector, or in the case of candidates intending to write at the University, to the Registrar.

Scholarship candidates must also send a special application by the same date to the Registrar according to a form to be obtained from him. The application must be accompanied by the fee when the can-

didate intends to write at the University; when he proposes to write at some other centre, the ordinary application and the fee must be sent to the local Public School Inspector.

A Junior Matriculation examination will be held in June at such centres outside Ontario as may from time to time be authorized by the Senate. Applications for the establishment of such local centres must be made to the Registrar not later than the 15th of April in each year. Applications from candidates for this examination must be sent to the Registrar not later than the 1st of May.

A Junior Matriculation examination, at which no honour papers are set, will be held in September at the University and at such other centres as may from time to time be authorized by the Senate. Candidates who have failed in a minority of subjects at a previous examination, as well as new candidates, may present themselves at this examination. Applications must be sent to the Registrar not later than the 1st of September.

The presiding examiner's fee of $5.00 per diem, together with any other necessary expenses in connection with a local examination, must be met by the candidates at the centre, or by the authorities of the School or College on whose application it is held.

Candidates who have passed Junior Matriculation may present themselves at a subsequent examination for Junior Matriculation Scholarships. A person to whom a scholarship has been awarded may not compete a second time.

EQUIVALENT EXAMINATIONS.

A person who has passed the matriculation examination of another University may be admitted *ad eundem statum* on such conditions as the Senate, on application, may prescribe.

The local examinations conducted by the University of Oxford and Cambridge are accepted *pro tanto*.

Certificates of having passed the whole, or at least one-half, of the subjects common to the matriculation and other examination of any of the following examinations will be accepted *pro tanto*.

Province of Ontario.

The Junior and Senior Teachers' examinations, or examinations of the same standard under other names.

Candidates who have already passed Part I. of the pass Junior Matriculation, or of the Junior Leaving examination, will not be required to pass again in the subjects thereof.

Province of Quebec.

The Associate in Arts examination.

Province of New Brunswick.

The examinations for Superior and Grammar School Licenses.

Province of Nova Scotia.

The Junior and Senior Leaving examinations, (Grades XI. and XII).

Province of Manitoba.

The Second Class Teachers' examination.

Province of British Columbia.

The Intermediate and Senior Grade examination.

Province of Prince Edward Island.

The First Class Teachers' License examination.

Province of Alberta.

The Standard VII. and VIII. examinations.

Province of Saskatchewan.

The Standard VII. and VIII. examinations.

Newfoundland.

Intermediate and Associate Grade examinations.

Candidates whose certificates do not cover all the subjects may complete matriculation by passing in the remaining subjects as prescribed by the University, or by passing in the subjects of similar standard as prescribed by the Education Department of the Province by which the certificate was issued.

The Senate will consider applications for the recognition of certificates other than those mentioned, as occasion may require.

FEES.

The Fees payable are as follows:—

For Junior Matriculation	$5 00
For supplemental examination in one subject	2 00
For supplemental examination in two subjects	4 00
For supplemental examination, maximum fee	5 00
For registration of certificates for other than University purposes	5 00
For registration of certificates other than those of Ontario, which exempt the applicant from the full Matriculation examination	5 00
For admission *ad eundem statum*	5 00

SCHOLARSHIPS.

Where there is no letter prefixed, the scholarship is open to all competitors and is tenable in any one of the colleges. In all other cases, the letter U. indicates University College; the letter V., Victoria College; and the letter T., Trinity College. The student to whom one of these scholarships is awarded is required to enroll in each year of his course in the College to which the scholarship belongs.

General Proficiency.

(1) The Prince of Wales Scholarship, the gift of His Majesty the King, of the value of $50, and the First Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $60, with free tuition for four years, of a total value of $254.

T. (2) The Upper Canada College-Trinity Scholarship, the gift of Upper Canada College Old Boys, who are alumni of Trinity College, of the value of $100, with free tuition for four years, of a total value of $244.

Pass papers rank at half the value of honour papers. The sum of $60 will be paid in equal terminal instalments in the first year, and $40 in the second year.

U. (3) The Gibson Scholarship, the gift of the Hon. J. M. Gibson, of the value of $100, with free tuition for three years, of a total value of $208.

T. (4) The F. A. Bethune Scholarship, the gift of the trustees of the F. A. Bethune Memorial Fund, of the value of $60, with free tuition for four years, of a total value of $204.

This Scholarship is open to competition to boys who have passed through the Sixth Form of Trinity College School. The conditions are the same as for 2, except that the money will all be paid in the first year in equal terminal instalments.

(5) The Second Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $55, with free tuition for four years, of a total value of $199.

(6) The Third Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $50, with free tuition for four years, of a total value of $194.

(7) The Fourth Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $45, with free tuition for four years, of a total value of $189.

(8) The Fifth Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $40, with free tuition for three years, of a total value of $148.

(9) The Sixth Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $35, with free tuition for three years, of a total value of $143.

(10) The Seventh Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $30, with free tuition for three years, of a total value of $138.

(11) The West Durham Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $25.

This Scholarship is preferentially tenable by a scholar from the Bowmanville High School.

Candidates for these scholarships are required to obtain first class honours in at least one department.

Proficiency in Two Departments.

CLASSICS AND MODERN LANGUAGES.

The First Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $60, with free tuition for four years, of a total value of $204.

The Second Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $55, with free tuition for four years, of a total value of $199.

The Third Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $40, with free tuition for three years, of a total value of $148.

The Fourth Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $35, with free tuition for three years, of a total value of $143.

CLASSICS AND MATHEMATICS.

The First Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $60, with free tuition for four years, of a total value of $204.

The Second Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $40, with free tuition for three years, of a total value of $148.

MODERN LANGUAGES AND MATHEMATICS.

The First Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $60, with free tuition for four years, of a total value of $204.

The Second Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $40, with free tuition for three years, of the value of $148.

MODERN LANGUAGES AND SCIENCE.

The First Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $60, with free tuition for four years, of a total value of $204.

The Second Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $40, with free tuition for three years, of a total value of $148.

MATHEMATICS AND SCIENCE.

The First Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $60, with free tuition for four years, of a total value of $204.

The Second Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $40, with free tuition for three years, of a total value of $148.

ENGLISH, HISTORY AND GEOGRAPHY.

T. The Burnside Scholarship, founded in memory of the late Dr. Burnside, of the value of $40, with free tuition for four years, of a total value of $184.

Candidates for these scholarships must obtain first class honours in one of the specified departments and at least second class in the other.

Proficiency in One Department.

CLASSICS.

V. The Martha Bell Scholarship, the gift of Professor A. J. Bell, of the value of $100, with free tuition for four years, of a total value of $244.

T. The Wellington Scholarship, founded by the first Duke of Wellington, of the value of $80, with free tuition for four years, of a total value of $224.

U. The McCaul Scholarship, the gift of Principal Hutton, Dr. Seath and W. T. White, B.A., of the value of $75, with free tuition for four years, of a total value of $219.

T. The Bishop Strachan Scholarship, founded in memory of the first Bishop of Toronto, of the value of $40, with free tuition for four years, of a total value of $184.

The First Mary Mulock Scholarship, the gift of the late Mrs. Mulock, of the value of $60, with free tuition for three years, of of a total value of $168.

U. The First William Dale Scholarship, the gift of William Dale, M.A., of the value of $60, with free tuition for three years, of a total value of $168.

V. The Flavelle Scholarship, the gift of J. W. Flavelle, LL.D., of the value of $60, with free tuition for three years, of a total value of $168.

The Second Mary Mulock Scholarship, the gift of the late Mrs. Mulock, of the value of $60, with free tuition for two years, of a total value of $132.

V. The W. E. H. Massey Scholarship, the gift of the late W. E. H. Massey, Esq., of the value of $50, with free tuition for two years, of a total value of $122.

U. The Second William Dale Scholarship, the gift of William Dale, M.A., of the value of $50, with free tuition for two years, of a total value of $122.

MODERN LANGUAGES.

T. The Dickson Scholarship, the gift of the late William Dickson, Esq., of the value of $40, with free tuition for four years, of a total value of $184.

The First Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $60, with free tuition for three years, of a total value of $168.

The Second Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $30, with free tuition for three years, of a total value of $138.

MATHEMATICS.

T. The Wellington Scholarship, founded by the first Duke of Wellington, of the value of $80, with free tuition for four years, of a total value of $224.

T. The Burnside Scholarship, founded in memory of the late Dr. Burnside, of the value of $40, with free tuition for four years, of a total value of $184.

The First Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $60, with free tuition for three years, of a total value of $168.

The Second Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $30, with free tuition for three years, of a total value of $138.

SCIENCE.

T. The Dickson Scholarship, the gift of the late William Dickson, Esq., of the value of $40, with free tuition for four years, of a total value of $184.

The First Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $60, with free tuition for three years, of a total value of $168.

The Second Edward Blake Scholarship, the gift of the Hon. Edward Blake, Ex-Chancellor of the University, of the value of $30, with free tuition for three years, of a total value of $138.

Candidates for these scholarships must obtain first class honours in their departments.

The Leonard McLaughlin Scholarship.

T. This scholarship has been endowed by Mr. and Mrs. Michael McLaughlin, of Toronto, in memory of their only son Leonard, who was at the time of his death, December 10th, 1899, an undergraduate of Trinity College. As he was a pupil at Upper Canada College from 1890 to 1896, only pupils of that School are eligible for the scholarship. The award will be made by a board consisting of the Provost of Trinity College with the Principal and the Classical Master of Upper Canada College to such candidate as, without written examinations, shows evidence of possessing good scholarship in Classics, as well as manliness, a sense of honour, and a strong moral character. Failing a suitable candidate in Classics, the Board may at its discretion select one in Modern Languages, though it is not under any obligation to make a selection in any given year.

Successful candidates must pursue a course of study in Classics or Modern Languages to the satisfaction of the Board. In case of necessity, to be by it determined, the Board may allow a postponement of the time of beginning the course or an interruption of the same.

The scholarship is worth $120; $60 will be paid to successive holders at the end of Michaelmas Term in the First Year, and $60 at the end of the Michaelmas Term in the Second Year.

The Cooper Exhibitions.

T. These two exhibitions, founded by the Rev. C. W. Cooper, of the value of $100 each, are open to any matriculated student of Trinity College not holding a scholarship, with a preference to the sons of clergymen. The exhibitioners are nominated by the Most Reverend the Lord Archbishop of Toronto.

The Mackenzie Bursaries.

T. Mr. William Mackenzie, of Toronto, offers ten Bursaries of $100 each, to be given to resident students in Arts enrolling in Trinity College. A preference will be given to Presbyterians.

Corporation Bursaries.

T. The Corporation has also provided that five Bursaries of a value of $50 per annum be open every year for a period not exceeding three years. Any student who shall have passed the Matriculation examination, and shall have satisfied the Executive Committee that he cannot, without the aid thus afforded, avail himself of the advantage of a University education, will be eligible for a bursary, provided that he is not the holder of a scholarship or exhibition. *Caeteris paribus* the sons of clerymen will be preferred.

Scholarships, exhibitions, and bursaries will be forfeited if the holder fails to keep a term, or to pass any examination at the regular time.

REGULATIONS REGARDING THE UNIVERSITY SCHOLARSHIPS.

The marks for all classes of scholarships will be assigned in the following proportions:—

CLASSICS	Latin	600	
	Greek	600	
			1200
MATHEMATICS			1200
MODERN LANGUAGES	English	400	
	French	400	
	German	400	
			1200
SCIENCE	Chemistry	400	
	Physics	400	
	Biology (Botany, Zoology)	400	
			1200
HISTORY			200

Candidates for scholarships shall at the same examination pass in all the subjects necessary for Junior Matriculation.

A candidate to whom a scholarship has been awarded at a Junior Matriculation examination may not compete for a scholarship at a subsequent Matriculation examination.

With the exception of the Prince of Wales Scholarship, no one shall be entitled to hold more than one University scholarship; but anyone who, but for this provision, would have been entitled to a second scholarship will be published in the lists.

College Scholarships may be held with University Scholarships.

Every candidate for a Junior Matriculation scholarship shall, on application for examination, sign a declaration to the effect that he intends to proceed to a degree in Arts in this University.

A candidate competing for University scholarships may defer, until the first of August, his declaration as to the College in which he intends to register.

No scholarship will be awarded save on condition that the candidate becomes a matriculated student in actual attendance in this University, through enrolment in one of the colleges.

Free tuition awarded will be available on the following conditions:— For the First Year on the award of the scholarship; for any year after the first on proof that the claimant has passed his examination for the preceding year with a first class in an honour course.

In case in any year any scholarship be not taken, it will be allowable to award such scholarship, or some part thereof, to a candidate who has shown special excellence in the examination in some other group, and has taken scholarship rank therein, but has failed to win a scholarship therein.

These regulations are subject to change by the Senate.

REGULATIONS RESPECTING UNIVERSITY COLLEGE AND VICTORIA COLLEGE SCHOLARSHIPS.

Scholarships in University College and in Victoria College are tenable with an Edward Blake Scholarship, always providing that the winner be in first class honours in Classics at Matriculation and becomes and continues to be a registered student in attendance upon lectures either in Classics or in English and History with the Classical option in the College by which the scholarship is awarded. In the event of no eligible candidate being forthcoming at matriculation for either of these scholarships, the scholarships will be held over until the year following, when two scholarships will be offered.

REGULATIONS RESPECTING TRINITY COLLEGE SCHOLARSHIPS.

The holders of scholarships are ordinarily required to reside in College, but when they reside with their parents or guardians by permission of the Provost, they will be allowed free tuition when such is the whole or part of the emolument of their scholarships. The condition as to residence is absolute in the case of the Upper Canada College-Trinity, the F. A. Bethune and the Leonard McLaughlin Scholarships.

In order to hold their scholarships in the succeeding years, candidates must retain the positions in their departments which they obtained at Junior Matriculation.

JUNIOR MATRICULATION.

FOR PASS.

Greek.

Translation into English of passages from prescribed texts.

Translation at sight (with the aid of vocabularies) of easy Attic prose, to which special importance will be attached.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation from English into Greek of phrases and of sentences to illustrate Greek accidence and the common rules of Greek syntax.

The following are the prescribed texts:—

1908: Xenophon, selections in White's First Greek Book, with the exercises thereon; Herodotus, Tales, ed. Farnell, I.-XI., inclusive.

1909-1910: Xenophon, selections in White's First Greek Book, with the exercises thereon; Herodotus, Tales, ed. Farnell, XI.-XX., inclusive.

Two papers will be set: (1) Prescribed texts and questions on grammar; (2) the translation of English into Greek and sight translation.

Latin.

1908, 1909, 1910: Translation at sight of passages of average difficulty from Caesar, upon which special stress will be laid.

Translation from a prescribed portion of Virgil's Aeneid, with questions thereon.

Questions on Latin accidence.

Translation into Latin of English sentences to illustrate the common rules of Latin syntax, upon which special stress will be laid. The vocabulary will be taken from the prescribed portion of Caesar.

Examination upon a short prescribed portion of Caesar, to test the candidate's knowledge of Latin syntax and his power of idiomatic translation.

The following are the texts prescribed:—

Caesar, Bellum Gallicum, Book IV., chaps. 20-38, and Book V., chaps. 1-23; Virgil, Aeneid, Book II., vv. 1-505.

Two papers will be set: (1) Translation at sight, Virgil, and accidence. (2) Translation into Latin, syntax and idiomatic translation from prescribed Caesar, etc.

English.

GRAMMAR AND RHETORIC: The main facts in the development of the language. Etymology and syntax, including the logical structure of

the sentence and the inflection, classification and elementary analysis of words. The rhetorical structure of the sentence and paragraph.

One examination paper.

COMPOSITION: An essay, to which special importance will be attached, on one of several themes set by the examiner.

One examination paper.

LITERATURE: The candidate will be expected to have memorized some of the finest passages. Besides questions to test the candidate's familiarity with, and comprehension of, the following selections, questions may also be set to determine within reasonable limits his power of appreciating literary art.

One examination paper.

1908: Tennyson, the Poet, The Lady of Shalott, Oenone, The Epic and Morte d'Arthur, St. Agnes' Eve, The Voyage, "Break, break, break," In the Valley of the Cauteretz; Browning, My Last Duchess, "How they brought the good news from Ghent to Aix," Love among the Ruins, Home Thoughts from Abroad, Up at a Villa, Andrea del Sarto, The Guardian Angel, Prospice, An Epistle of Karshish, Cavalier Tunes; Shakespeare, Macbeth.

1909: Coleridge, The Ancient Mariner; Wordsworth, Michael, Influence of Natural Objects, Nutting, Expostulation and Reply, The Tables Turned, The Solitary Reaper, Ode to Duty, Elegiac Stanzas, To the Rev. Dr. Wordsworth, "She was a phantom of delight," To the Cuckoo, The Green Linnet, "Bright flower! whose home," To a Skylark ("Ethereal minstrel! pilgrim of the sky!"), Reverie of Poor Susan, To my Sister, "Three years she grew," September, 1819, Upon the same Occasion, and the following twelve sonnets:—"Two voices are there," "A flock of sheep that leisurely," "Earth hath not anything," "It is not to be thought of," "Fair star of evening," "O friend, I know not," "Milton, thou shouldst," "When I have borne in memory," "Brook! whose society," " Scorn not the sonnet," "Tax not the royal saint," "They dreamt not of a perishable home;" Shakespeare, Merchant of Venice.

1910: Tennyson, Ode to Memory, The Dying Swan, the Lotus Eaters, Ulysses, "You ask me, why," "Of old sat Freedom," "Love thou thy land," "Tears, idle tears," and the six interlude songs from the Princess, The Brook, Ode on the Duke of Wellington, Charge of the Light Brigade, Enoch Arden; Shakespeare, Julius Caesar.

German.

The candidate's knowledge of German will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into German; (3) translation at sight of easy passages from modern German, and (4) an examination on the texts contained in the High School German Reader.

1908: Leander, Träumereien, pp. 45-90 (selected by Van Daell).

1909: Baumbach, Waldnovellen.

1910: Hauff, Das kalte Herz.

Two papers will be set: (1) Prescribed texts and translation at sight; questions on grammar; (2) the translation of English into German.

French.

The candidate's knowledge of French will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into French; (3) translation at sight of easy passages from modern French, and (4) an examination on the following texts:—

Lamennais, Paroles d'un croyant, Chaps. VII. and XVII.; Perrault, le Maître Chat ou le Chat Botté; Dumas, Un nez gelé, and la Pipe de Jean Bart; Alphonse Daudet, la Dernière classe, and la Chèvre de M. Seguin; Legouvé, la Patte de dindon; Pouvillon, Hortibus; Loti, Chagrin d'un vieux forçat; Molière, l'Avare, Acte III. sc. 5 (Est-ce à votre cocher . . . sous la mienne); Victor Hugo, Waterloo, Chap. IX.; Rouget de L'Isle, la Marseillaise; Arnault, la Feuille; Chateaubriand, l'Exilé; Théophile Gautier, la Chimère; Victor Hugo, Extase; Lamartine, l'Automne; De Musset, Tristesse; Sully Prudhomme, le Vase brisé; La Fontaine, le Chêne et le Roseau.

1908: Meilhac et Halévy, l'Eté de la Saint-Martin.

1909: Labiche, le Voyage de Monsieur Perrichon.

1910: Scribe, le Verre d'eau.

Two papers will be set: (1) Prescribed texts and translations at sight; questions on grammar; (2) the translation of English into French.

History.

Great Britain and Canada from 1763 to 1885, with the outlines of the preceding periods of British history.

The geography relating to the history prescribed.

One half examination paper.

General outlines of Greek history to the fall of Corinth.

General outlines of Roman history to the death of Augustus.

The geography relating to the history prescribed.

One half examination paper.

Mathematics.

ARITHMETIC.—Elementary Rules, Fractions (Vulgar and Decimal), Contracted Methods of Computation, Square Root, Interest, Discount, Commission, Insurance, Stocks and Exchange.

MENSURATION.—The Rectangle, the Parallelogram, the Triangle, the Circle, the Parallelopiped, the Prism, and the Cylinder.

One examination paper.

NOTE.—The problems proposed at this Examination shall be simple and direct, and in their solution neatness and accuracy will be insisted on.

ALGEBRA.—Elementary Rules; highest common measure; lowest common multiple; fractions; square root; simple equations of one, two and three unknown quantities; indices; surds; quadratics of one and two unknown quantities.

One examination paper.

GEOMETRY.—A.—CONSTRUCTIONS.

To construct a triangle with sides of given lengths.

To construct an angle equal to a given rectilineal angle.

To bisect a given angle.

To bisect a given straight line.

To draw a line perpendicular to a given line from a given point in it.

To draw a line perpendicular to a given line from a given point not in the line.

Locus of a point equidistant from two given lines.

Locus of a point equidistant from two given points.

To draw a line parallel to another, through a given point.

To divide a given line into any number of equal parts.

To describe a parallelogram equal to a given triangle, and having an angle equal to a given angle.

To describe a parallelogram equal to a given rectilineal figure, and having an angle equal to a given angle.

On a given straight line to describe a parallelogram equal to a given triangle, and having an angle equal to a given angle.

To find the centre of a given circle.

From a given point to draw a tangent to a given circle.

On a given straight line to construct a segment of a circle containing an angle equal to a given angle.

From a given circle to cut off a segment containing an angle equal to a given angle.

In a circle to inscribe a triangle equiangular to a given triangle.

To find locus of centres of circles touching two given lines.

To inscribe a circle in a given triangle.

To describe a circle touching three given straight lines.

To describe a circle about a given triangle.

About a given circle to describe a triangle equiangular to a given triangle.

To divide a given line similarly to another given divided line.

To find the fourth proportional to three given lines.

To describe a polygon similar to a given polygon, and with the corresponding sides in a given ratio.

To find the mean proportional between two given straight lines.

To construct a polygon similar to a given polygon, and such that their areas are in a given ratio.

To describe a polygon of a given shape and size.

B.—THEOREMS.

The sum of the angles of any triangle is equal to two right angles.

The angles at the base of an isosceles triangle are equal, with converse.

If the three sides of one triangle be equal, respectively, to the three sides of another, the triangles are equal in all respects.

If two sides and the included angle of one triangle be equal to two sides and the included angle of another triangle, the triangles are equal in all respects.

If two angles and one side of a triangle be equal to two angles and the corresponding side of another, the triangles are equal in all respects.

If two sides and an angle opposite one of these sides be equal, respectively, in two triangles, the angles opposite the other pair of equal sides are either equal or supplemental.

The sum of the exterior angles of a polygon is four right angles.

The greater side of any triangle has the greater angle opposite it.

The greater angle of any triangle has the greater side opposite it.

If two sides of one triangle be equal respectively to two sides of another, that with the greater contained angle has the greater base, with converse.

If a transversal fall on two parallel lines, relations between angles formed, with converse.

Lines which join equal and parallel lines towards the same parts are themselves equal and parallel.

The opposite sides and angles of a parallelogram are equal and the diagonal bisects it.

Parallelograms on the same base, or on equal bases, and between the same parallels are equal.

Triangles on the same base, or on equal bases, and between the same parallels are equal.

Triangles equal in area, and on the same base, are between the same parallels.

If a parallelogram and a triangle be on the same base, and between the same parallels, the parallelogram is double the triangle.

Expressions for area of a parallelogram, and area of a triangle.

The complements of parallelograms about the diagonal of any parallelogram are equal.

The square on the hypotenuse of a right-angled triangle is equal to the sum of the squares on the sides.

If a straight line be divided into any two parts, the sum of the squares on the parts, together with twice the rectangle contained by the parts, is equal to the square on the whole line.

The square on a side of any triangle is equal to the sum of the squares on the two other sides + twice the rectangle contained by either of these sides and the projection of the other side on it.

If more than two equal straight lines can be drawn from the circumference of a circle to a point within it, that point is the centre.

The diameter is the greatest chord in a circle, and a chord nearer the centre is greater than one more remote. Also the greater chord is nearer the centre than the less.

The angle at the centre of a circle is double the angle at the circumference on the same arc.

The angles in the same segment of a circle are equal, with converse.

The opposite angles of a quadrilateral inscribed in a circle are together equal to two right angles, with converse.

The angle in a semicircle is a right angle; in a segment greater than a semicircle less than a right angle, in a segment less than a semicircle greater than a right angle.

A tangent is perpendicular to the radius to the point of contact; only one tangent can be drawn at a given point; the perpendicular to the tangent at the point of contact passes through the centre; the perpendicular from centre on tangent passes through the point of contact.

If two circles touch, the line joining the centres passes through the point of contact.

The angles which a chord drawn from the point of contact makes with the tangent, are equal to the angles in the alternate segments.

The rectangles under the segments of intersecting chords are equal.

If $OA.OB = OC^2$, OC is a tangent to the circle through A, B and C.

Triangles of the same altitude are as their bases.

A line parallel to the base of a triangle divides the sides proportionally, with converse.

If a vertical angle of a triangle be bisected, the bisector divides the base into segments that are as the sides, with converse.

The analogous proposition when the exterior angle at the vertex is bisected, with converse.

If two triangles are equiangular, the sides are proportional.

If the sides of two triangles are proportional, the triangles are equiangular.

If the sides of two triangles about equal angles are proportional, the triangles are equiangular.

If two triangles have an angle in each equal, and the sides about two other angles proportional, the remaining angles are equal or supplemental.

Similar triangles are as the squares on corresponding sides.

The perpendicular from the right angle of a right-angled triangle on the hypotenuse divides the triangle into two which are similar to the original triangle.

In equal circles angles, whether at the centres or circumferences, are proportional to the arcs on which they stand.

The areas of two similar polygons are as the squares on corresponding sides.

If three lines be proportional, the first is to the third as the figure on the first to a similar figure on the second.

Questions and easy deductions on the preceding constructions and theorems.

It is recommended that the study of formal demonstrative Geometry be preceded by a course in Practical Geometry, extending over not more than a year, and embracing the following:—

Definitions; fundamental geometric conceptions and principles; use of simple instruments, as compasses, protractor, graduated rule, etc.; measurement of lines and angles, and construction of lines and angles of given numerical magnitude; accurate construction of figures; some leading propositions in plane geometry reached by induction as a result of accurate construction of figures; deduction also employed as principles are reached and assured. At the examination, questions may be given in Practical Geometry, the constructions being such as naturally spring from the prescribed course. Candidates must provide themselves with a graduated ruler, compasses, set-square and protractor.

In the formal deductive Geometry modifications of Euclid's treatment of the subject will be allowed, though not required, as follows:—

The employment of the "hypothetical construction."

The free employment of the method of superposition, including the rotation of figures about an axis, or about a point in a plane.

A modification of Euclid's parallel postulate.

A treatment of ratio and proportion restricted to the case in which the compared magnitudes are commensurable.

One examination paper.

Elementary Experimental Science.

PHYSICS: Use of meter rule; use of calipers and vernier for more accurate metric measurements (*e.g.*, diameters of wires, thickness of glass, plates, etc.); numerical calculations in the metric system.

Use of balance.

Specific gravity, by special gravity bottle and hydrostatic balance, of liquids and of solids.

Boyle's law; barometer; diffusion of gases.

Use of Fahrenheit and centigrade thermometers; determination of zero and boiling point; boiling point dependent on pressure.

Expansion of solids, liquids and gases; examples.

Specific heat, latent heat; easy numerical examples.

Transmutation of matter; indestructibility of matter.

Solution, precipitation, crystallisation and evaporation.

One half examination paper.

CHEMISTRY: Properties of hydrogen, chlorine, oxygen, sulphur, nitrogen, carbon, and their different compounds, especially those of economic and industrial importance.

Mixtures, solutions, chemical compounds, elements, nomenclature, laws of chemical combination, reacting weights, chemical formulæ and equations, with easy numerical examples.

One half examination paper.

FOR HONOURS.

Greek.

Translation into English of passages from prescribed texts.

Translation at sight of prose passages of average difficulty, similar to the authors read.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation into Greek of ordinary narrative passages of English, similar in style to the authors read.

The following are the prescribed texts:—

1908: Herodotus, Tales, ed. Farnell I.-XI. incl.; Homer, Odyssey, XXIII.; Lucian, Timon; Lysias, Pro Mantitheo and de Invalido.

1909: Herodotus, Tales, ed. Farnell XI.-XX. incl.; Homer, Odyssey, XXIII.; Lucian, Charon; Lysias, Contra Eratosthenem.

1910: Herodotus, Tales, ed. Farnell XI.-XX. incl.; Homer, Odyssey, I.; Lucian, Charon; Lysias, Contra Eratosthenem.

Two examination papers.

Latin.

Translation into English of passages from prescribed texts.

Translation at sight of passages of average difficulty from Cicero.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation into Latin of easy passages of English, similar in style to the authors read.

The following are the prescribed texts:—

1908: Virgil, Aeneid, Book II.; Horace, Odes, Books III., IV., Cicero, In Catilinam, I., III., IV.

1909: Virgil, Aeneid, Book II.; Horace, Odes, Books I. and II.; Cicero, In Catilinam I., III., IV.

1910: Virgil, Aeneid, Book II., Horace, Odes, Books I. and II.; Cicero, Pro Lege Manilia, Pro Marcello.

Two examination papers: (1) Latin Prose, (2) Authors and Sight.

English.

COMPOSITION: An essay on one of several themes set by the examiners. In order to pass in this subject, legible writing, correct spelling and punctuation, and proper construction of sentences are indispensable. The candidate should also give attention to the structure of the whole essay, the effective ordering of the thought, and the accurate employment of a good English vocabulary. About two pages of foolscap is suggested as the proper length for the essay; but quality, not quantity, will be mainly regarded.

One examination paper.

LITERATURE: Such questions only will be set as may serve to test the candidate's familiarity with, and intelligent and appreciative comprehension of, the prescribed texts. The candidate will be expected to have memorised some of the finest passages. In addition to the questions on the prescribed selections others will be set on a "sight passage" to test the candidate's ability to interpret literature for himself.

One examination paper.

1908: Tennyson, The Poet, The Lady of Shalott, Oenone, The Epic and Morte d'Arthur, St. Agnes' Eve, The Voyage, "Break, break, break," In the Valley of the Cauteretz; Browning, My Last Duchess, "How they brought the good news from Ghent to Aix," Love among the Ruins, Home Thoughts from Abroad, Up at a Villa, Andrea del Sarto, The Guardian Angel, Prospice, An Epistle of Karshish, Cavalier Tunes; Shakespeare, Macbeth, As You Like It.

1909: Coleridge, The Ancient Mariner; Wordsworth, Michael, Influence of Natural Objects, Nutting, Expostulations and Reply, The Tables Turned, The Solitary Reaper, Ode to Duty, Elegiac Stanzas, To the Rev. Dr. Wordsworth, "She was a phantom of delight," To the Cuckoo, The Green Linnet, "Bright flower! whose home," To a Skylark, ("Ethereal minstrel! pilgrim of the sky!"), Reverie of Poor Susan, To my Sister, "Three years she grew in sun and shade," September 1819, Upon the same Occasion. The following twelve sonnets: "Two voices are there," "Scorn not the sonnet," "A flock of sheep that leisurely," "Earth hath not anything," "It is not to be thought of," "Fair star of evening," "O friend! I know not," "Milton! thou shouldst," "When I have borne in memory," "Brook! whose society,"

"Tax not the royal saint," "They dreamt not of a perishable home;" Shakespeare, Merchant of Venice, Henry IV., Part I.

1910: Tennyson, Ode to Memory, The Dying Swan, The Lotus Eaters, Ulysses, "You ask me, why," "Of old sat Freedom," "Love thou thy land," "Tears, idle tears," and the six interlude songs from The Princess, The Brook, Ode on the Duke of Wellington, Charge of the Light Brigade, Enoch Arden; Shakespeare, Julius Caesar, Mid Summer Night's Dream.

German.

The prescription of work in grammar, the translation of English into German and sight translation is the same for honours as for pass, but the examination will be of a more advanced character.

The following are the prescribed texts:—

The texts contained in the High School German Reader.

1908: Leander, Träumereien, pp. 45 to 90 (selected by Van Daell). Baumbach, Der Schwiegersohn; Elz, Er ist nicht eifersüchtig; Wichert, Post Festum.

1909: Baumbach, Waldnovellen; Zschokke, Der tote Gast.

1910: Hauff, Das kalte Herz; Baumbach, Der Schwiegersohn; Elz, Er ist nicht eifersüchtig; Wichert, Post Festum.

French.

The prescription of work in grammar, the translation of English into French and sight translation, is the same for honours as for pass, but the examination will be of a more advanced character.

The following are the prescribed texts:—

Lamennais, Paroles d'un croyant, Chaps. VII. and XVII.; Perrault, le Maître Chat ou le Chat botté; Dumas, Un nez gelé, and la Pipe de Jean Bart; Alphonse Daudet, la dernière Classe, and la Chèvre de M. Seguin; Legouvé, la Patte de dindon; Pouvillon, Hortibus; Loti, Chagrin d'un vieux forçat; Molière, l'Avare, Acte III., sc. 5 (Est-ce à votre cocher . . . sous la mienne); Victor Hugo, Waterloo, Chap. IX.; Rouget de l'Isle, la Marseillaise; Arnault, la Feuille; Chateaubriand, l'Exilé; Théophile Gautier, la Chimère; Victor Hugo, Extase; Lamartine, l'Automne; De Musset, Tristesse; Sully Prudhomme, le Vase brisé; La Fontaine, le Chêne et le Roseau.

1908: Meilhac et Halévy, l'Eté de la Saint-Martin; Chateaubriand, Mémoires d'Outre-Tombe (selections pub. by Clarendon Press).

1909: Labiche, le Voyage de Monsieur Perrichon; Mérimée, Quatre Contes, ed. by F. C. L. Steenderen (Holt & Co.).

1910: Scribe, le Verre d'eau; Malot, Remi en Angleterre, (ed. Margaret de G. Verral. Pitt. Press).

History.

English history from the discovery of America to 1763.
General outlines of Greek history to the fall of Corinth.
General outlines of Roman History to the death of Augustus.
The geography relating to the history prescribed.
One examination paper.

Mathematics.

ALGEBRA: Elementary rules; highest common measure; lowest common multiple; fractions; square root; simple equations of one, two and three unknown quantities; indices, surds, quadratics of one and two unknown quantities; theory of divisors; ratio, proportion and variation; progressions; notation; permutations and combinations; binomial theorem; interest forms; annuities.

One examination paper.

TRIGONOMETRY: Trigonometrical ratios with their relations to each other; sines, etc., of the sum and difference of angles with deduced formulas; use of logarithms; solution of triangles; expressions for the area of triangles; radii of circumscribed, inscribed and escribed circles.

One examination paper.

PROBLEMS: One paper.

GEOMETRY: A.—Exercises on the course prescribed for the pass examination, with special reference to the following topics:—loci; maxima and minima; the system of inscribed, escribed and circumscribed circles of a triangle, with metrical relations; radial axis.

B.—The following additional propositions in Synthetic Geometry, with exercises thereon:—

To divide a given straight line internally and externally in medial section.

To describe a square that shall be equal to a given rectilineal figure.

To describe an isosceles triangle having each of the angles at the base double of the third angle.

To inscribe a regular pentagon in a given circle.

The squares on two sides of a triangle are together equal to twice the square on half the third side and twice the square on the median to that side.

If A B C be a triangle, and A be joined to a point P of the base such that B P : P C = m : n, then $n \cdot A B^2 + m \cdot A C^2 = (m + n) \cdot A P^2 + n \cdot B P^2 + m \cdot P C^2$.

In a right-angled triangle the rectilineal figure described on the hypotenuse is equal to the sum of the similar and similarly described figures on the two other sides.

If the vertical angle of a triangle be bisected by a straight line which also cuts the base, the rectangle contained by the sides of the triangle is equal to the rectangle contained by the segments of the base, together with the square on the straight line which bisects the angle.

If from the vertical angle of a triangle a straight line be drawn perpendicular to the base, the rectangle contained by the sides of the triangle is equal to the rectangle contained by the perpendicular and the diameter of the circle described about the triangle.

The rectangle contained by the diagonals of a quadrilateral inscribed in a circle is equal to the sum of the two rectangles contained by its opposite sides.

Two similar polygons may be so placed that the lines adjoining corresponding points are concurrent.

If a straight line meet the sides B C, C A, A B, of a triangle A B C in D, E, F, respectively, then B D. C E. A F = D C. E A. F B, and conversely. (Menelaus' Theorem.)

If straight lines through the angular points A, B, C of a triangle are concurrent, and intersect the opposite sides in D, E, F, respectively, then B D. C E. A F = D C. E A. F B and conversely. (Ceva's Theorem.)

If a point A lie on the polar of a point B with respect to a circle, then B lies on polar of A.

Any straight line which passes through a fixed point is cut harmonically by the point, any circle, and the polar of the point with respect to the circle.

In a complete quadrilateral each diagonal is divided harmonically by the two other diagonals, and the angular points through which it passes.

C.—ELEMENTARY ANALYTICAL GEOMETRY: Axes of co-ordinates. Position of a point in plane of reference.

Transformation of co-ordinates,—origin changed, or axes (rectangular) turned through a given angle.

$\pm 2A = x_1 (y_2 - y_3) + \ldots + \ldots$

Co-ordinates of point dividing line joining $P_1 (x_1, y_1)$ and $P_2 (x_2, y_2)$ in ratio $m : n$ are

$$x = \frac{m x_2 + n x_1}{m + n}, \quad y = \frac{m y_2 + n y_1}{m + n}.$$

$(P_1 P_2)^2 = (x_1 - x_2)^2 + (y_1 - y_2)^2$

Equations of straight lines.

$$\left.\begin{array}{l} \dfrac{x - x_1}{x_1 - x_2} = \dfrac{y - y_1}{y_1 - y_2} \\ \dfrac{x}{a} + \dfrac{y}{b} = 1. \end{array}\right\} \text{ Line defined by two points through which it passes.}$$

$$\left.\begin{array}{c} \dfrac{x-a}{\cos\theta} = \dfrac{y-b}{\sin\theta} = r. \\ y = mx + b. \\ y = m(x-a). \\ x\cos\alpha + y\sin\alpha = p. \end{array}\right\}$$ Line defined by one point through which it passes, and by its direction.

General equation of 1st degree, $Ax + By + C = 0$, represents a straight line.

Any line through (x_1, y_1) is

$$A(x - x_1) + B(y - y_1) = 0.$$

If θ be angle between $Ax + By + C = 0$ and $A'x + B'y + C' = 0$, then

$$\tan\theta = \frac{A'B - AB'}{AA' + BB'}$$

Condition of $\perp$ rity, $AA' + BB' = 0$.

Condition of $\parallel$ ism, $\dfrac{A}{A'} = \dfrac{B}{B'}$.

Distance from (a, b) to $Ax + By + C = 0$, in direction whose direction cosines are (l, m) is

$$-\frac{Aa + Bb + C}{Al + Bm}.$$

$\perp$ distance from (a, b) on $Ax + By + C = 0$.

$$= \pm\frac{Aa + Bb + C}{\sqrt{A^2 + B^2}}.$$

THE CIRCLE—

Equations in forms:

$$x^2 + y^2 = r^2.$$
$$(x - a)^2 + (y - b)^2 = r^2.$$
$$x^2 + y^2 - 2rx = 0.$$

General equation $x^2 + y^2 + 2Ax + 2By + C = 0$,
or $(x + A)^2 + (y + B)^2 = A^2 + B^2 - C$,
represents a circle with centre $(-A, -B)$ and radius

$$\sqrt{A^2 + B^2 - C}.$$

Tangent at (x', y') to $x^2 + y^2 = r^2$, is $xx' + yy' = r^2$.

Normal is $\dfrac{x}{x'} = \dfrac{y}{y'}$.

Tangent in form

$$y = mx \pm r\sqrt{1 + m^2}.$$

Pole being (x', y'), polar is $xx' + yy' = r^2$.

If pole move along a line, polar turns about pole of that line.

Square of tangent from

$$(x', y') \text{ to } x^2 + y^2 + 2Ax + 2By + C = 0$$
$$\text{is } x'^2 + y'^2 + 2Ax' + 2By' + C.$$

Radical axis of

$$x^2 + y^2 + 2Ax + 2By + C = 0,$$
$$x^2 + y^2 + 2A'x + 2B'y + C' = 0.$$

Easy exercises on the preceding propositions.

One examination paper.

Physics.

MECHANICS: Measurement of velocity; uniformly accelerated rectilineal motion; metre; units of force, work, energy and power; equilibrium of forces acting at a point; triangle, parallelogram, and polygon of forces; parallel forces; principle of moments; centre of gravity; laws of friction; numerical examples.

HYDROSTATICS: Fluid pressure at a point; pressure on a horizontal plane; pressure on an inclined plane; resultant vertical pressure, and resultant horizontal pressure, when fluid is under air pressure and when not; transmission of pressure; Bramah's press; equilibrium of liquids of unequal density in a bent tube; the barometer; air-pump; water-pump, common and force; siphon.

ELECTRICITY: Voltaic cells, common kinds; chemical action in the cell; magnetic effects of the current; chemical effects of the current; voltameters; electroplating; astatic and tangent galvanometers; simple notions or potential; Ohm's law; shunts; measurement of resistance; electric light, arc and incandescent; current induction; induction coil; dynamo and motor; the joule and watt; electric bell; telegraph; telephone; elements of terrestrial magnetism.

One examination paper.

Chemistry.

Reactions, rates of reactions, reversible reactions, chemical equilibrium. The practical study of the following elements with their most characteristic compounds, having regard to Mendelejeff's classification of the elements, and some of the most important economic and industrial applications: hydrogen, sodium, potassium, magnesium, zinc, calcium, strontium, barium, boron, aluminium, carbon, silicon, tin, lead, nitrogen, phosphorus, arsenic, antimony, bismuth, oxygen, sulphur, fluorine, chlorine, bromine, iodine, magnanese, iron, copper, nickel. A report must be furnished showing the amount and nature of the laboratory work done by each candidate, and the teacher's opinion of his proficiency.

One examination paper.

Biology.

1. ELEMENTS OF ZOOLOGY: The candidate will be examined practically on his acquaintance with the structure of the various types prescribed below, and must be prepared to sketch the specimens submitted to him.

Vertebrate Types: 1. The fish:—Any one of the common fresh water fishes of Ontario may be employed for the purpose; special attention should be given to the organs of locomotion, circulation, respiration. As several species are easily obtainable this class may be employed for studying the principles of zoological nomenclature.

2. The frog:—Comparison with the fish as to the organs above mentioned—observation of the development of the spawn of one or more Amphibia.

3. The reptile:—A study of the external form of a turtle and a snake, and comparison of both with a lizard.

4. The bird:—Special attention should be given to the plumage, the bill and feet, and to the modifications of the skeletal, muscular and respiratory systems in connection with aerial life.

5. The mammal:—Characters of the chief domesticated and wild mammals of Ontario must be studied, as well as the main facts of internal structure of one of the smaller forms (*e.g.* the rabbit). Comparison of the teeth and feet of the pig, horse, sheep, rabbit, dog, mole, bat.

Invertebrate Types: 1. Study of the Crayfish as a type of the arthropods. Comparison of the external form of the Crayfish with an insect (*e.g.*, grasshopper, cricket, or cockroach) also with a millipede and a spider.

2. Unsegmented and segmented worms.

3. Fresh water mussel and snail.

4. A fresh water unicellular animal such as an Amoeba or Paramecium.

The natural habits of the various animals studied.

Elements of zoological classification based on forms studied.

2. ELEMENTS OF BOTANY: The examination will test whether the candidate has practically studied representatives of the flowering plants of the locality in which the preparatory school is situated.

It will further require an elementary knowledge of the following topics:—

Comparison of the various organs of flowering plants:—roots, stems, leaves, hairs and parts of the flower. Reproduction, pollination, fertilization and the nature of fruits and seeds.

Structure of representatives of the chief sub-divisions of cryptogams such as a fern, a lycopod, a horsetail, a liverwort, a lichen, a moss, a mushroom and a chara.

Microscopic structure of plants.

Principles of classification.

Vegetable physiology, especially of nutrition, growth and movement. Relation to environment.

DEGREE OF BACHELOR OF ARTS.

ENTRANCE.

Candidate for the Degree of Bachelor of Arts must take one of the courses prescribed by the University, each of which extends over a period of four academic years.

Candidates may enter the faculty of Arts by passing either the Junior Matriculation examination or the examination of the First Year which for such candidates is styled Senior Matriculation.

Candidates holding certificates (see p. 114) which cover the work of the First Year in its entirety, or with the exception of one or two subjects, may enter at the Second Year, but where one or two subjects are lacking, will be required to pass in such subject or subjects at a subsequent examination. Such candidates may take the General Course or an Honour Course on such conditions as the Council of the Faculty may determine.

Candidates for Senior Matriculation who desire to attend lectures in the University will not be admitted to the classes of the First Year until, by certificate or otherwise, they have satisfied the College and the University, before registration, of their ability to undertake the work of the year.

An undergraduate who desires admission to the classes of the First Year in any of the three languages, Greek, French and German, in which he has not passed the Matriculation examination, must first satisfy the College in which he is enrolled of his ability to undertake the work of these classes.

Candidates for Senior Matriculation and for entrance at the Second Year must produce satisfactory certificates of good character and of having completed the seventeenth and the eighteenth years of their age respectively.

CLASSIFICATION OF STUDENTS.

Students in attendance in the faculty of Arts may be (1) matriculated students, *i.e.*, undergraduates; (2) non-matriculated students, *i.e.*, occasional students, in which group, candidates for Senior Matriculation are included.

An undergraduate is a person (1) who has passed either the Senior or Junior Matriculation Examination of this University, or (2) who has registered a certificate of having passed an equivalent examination, or (3) who has been admitted *ad eundem statum* from another University.

ATTENDANCE AND DISPENSATION.

Students may register in the University and enroll in one of the Colleges on and after the 15th of September.

A student entering upon a course of study for the first time is required to present the certificates on which he may be granted (1) Junior Matriculation in whole or in part, (2) Senior Matriculation in whole or in part, or (3) exemption from instruction and examination in subjects of the General Course of the First Year.

Undergraduates proceeding to the degree of Bachelor of Arts must be enrolled in University College, Victoria College or Trinity College, and must attend lectures throughout the session in all the subjects of their academic year, unless the Council of the Faculty, on the recommendation of the College in which they are enrolled, grant them dispensation from attendance for the whole or part of the session. Such dispensation from attendance will, however, be granted only under special circumstances, and in any case rarely for more than one year.

Dispensation from attendance at lectures will not be granted to students in the courses for which laboratory work is required.

Candidates who have been granted dispensation from attendance at lectures must comply with the regulations respecting term work in so far as essays and exercises are concerned.

Undergraduates who are repeating the year without attendance on lectures must apply for dispensation, but are exempt from the payment of dispensation fees.

If an undergraduate to whom a Junior Matriculation Scholarship has been awarded is granted dispensation for one or more of the years during which he is entitled to free tuition, he will be exempt from the payment of dispensation fees.

Application for dispensation for the session or for the Michaelmas term must be sent to the Registrar before the 1st of October and for the Easter term before the 1st of January.

EQUIVALENT EXAMINATIONS.

Certificates of having passed the whole or a part of the following examinations may be accepted *pro tanto* at the First Year or Senior Matriculation examination.

The Local Examinations for Senior students, conducted by the Universities of Oxford and Cambridge.

Province of Ontario.

The Senior Teachers' Examination or examinations of the same standard under other names.

Province of Nova Scotia.

Senior Leaving Examination.

Province of Manitoba.

First Class Teachers' Examination.

Province of British Columbia.

Senior Grade Examination.

Province of Alberta.

Standard VIII. Examination.

Province of Saskatchewan.

Standard VIII. Examination.

Newfoundland.

Associate in Arts Examination.

The Senate will consider applications for the recognition of certificates other than those mentioned as occasion may require.

Candidates presenting *pro tanto* certificates are eligible for scholarships and relative standing.

ADMISSION AD EUNDEM STATUM.

An undergraduate of another University may be admitted *ad eundem statum* on such conditions as the Senate on the recommendation of the Council of the Faculty may prescribe.

Such an applicant may not compete for scholarships at his first examination if admitted to a standing lower than he held in his own University, but if he obtains honours he shall subsequently enjoy the same rights and privileges as if he had been originally an undergraduate of this University.

An applicant for admission *ad eundem statum* must submit with his petition (1) a calendar of his University giving a full statement of the courses of instruction (2) an official certificate of character and academic standing.

Term Work.

In the General Course reports on the term work of every student enrolled as proceeding to a degree will be made in all the subjects of each year.

In an Honour Course reports in term work will be made wherever such work is specified as an essential part of the course.

The marks for term work in a subject will be determined in the manner considered most suitable by the teaching staff in that subject.

In all subjects of the General Course, the ratio of term work marks to examination marks will be as fifty to one hundred.

In an Honour Course the ratio of term work marks to examination marks in a subject is determined by the examiners and the staff in that subject.

No candidate will be granted pass standing in a subject of the General Course unless he obtain at least thirty-three per cent. of the examination marks, as well as thirty-three per cent. of the aggregate of the term work and examination marks in that subject.

No candidate will be granted honours in a subject where term work is taken into account unless he obtain at least fifty per cent. of the marks at the May Examination, as well as fifty per cent. of the aggregate of the term work and examination marks in that subject.

The marks for term work are returned to the Registrar on or before the 1st of May in each year and are taken into account by the examiners and staff in determining the standing of candidates at any examination.

DETERMINATION OF ACADEMIC STANDING.

GENERAL COURSE.

At the May, June or September examinations a candidate who passes in at least one half of the subjects of his academic year, inclusive of the subjects of a previous year or years in which he may not have been granted standing, will receive credit for the subjects in which he passes.

In the annual class lists, the names of candidates will be arranged in alphabetical order under each subject, in three grades. For grade "A," a candidate must obtain at least sixty-six per cent.; for grade "B," at least fifty per cent.; and for grade "C" at least thirty-three per cent. of the marks assigned to a subject.

A candidate who has failed to receive credit in one of a group of optional subjects may present himself at the supplemental examinations in any one of the alternative subjects.

A candidate who at the close of the September examinations has not more than two subjects for which he has failed to receive credit, may be enrolled for the work of the next higher year and may present himself for examination in these subjects at a subsequent examination, provided always that a candidate who has not been granted complete First Year standing may not enter upon the work of the Third Year, nor a candidate who has not been granted complete Second Year standing upon the work of the Fourth Year.

Special Lectures in General Course.

If a sufficient number of persons who are unable to attend the regular instruction in the General Course so desire, special lectures, at such hours as may be suitable, will be given to enable these persons to proceed to the degree of Bachelor of Arts, or to take any part of the work leading to such degree.

A person attending these lectures may write at the Examinations in May, September and January, and will receive credit for any subject or subjects in which he may pass.

TUITION FEES.

For a course in any one subject	$10.00
For a course in any two subjects, each	9.00
For a course in three or four subjects, each	8.00
For a full course in five or more subjects prescribed for any year	40.00

EXAMINATION FEES.

For examination in one or two subjects of any year, each	$ 5.00
Maximum examination fee	14.00

GENERAL PROFICIENCY.

The names of the candidates who obtain an average of sixty-six per cent. of all the marks assigned to the examination of any year, will be placed in order of merit in the first class of General Proficiency; those who obtained an average of fifty per cent. in the second class.

The names of candidates who take the options in Religious Knowledge will be placed in a separate list.

In order that a candidate may be ranked in General Proficiency there must not be more than one subject in which he fails to receive credit.

HONOURS IN SUBJECTS AND COURSES.

The names of candidates in honours will be arranged in order of merit in three classes.

For first class honours a candidate must obtain at least seventy-five per cent., for second class honours at least sixty-six per cent., and for third class honours at least fifty per cent. of the marks assigned to a subject or course.

Candidates who fail to obtain honours in a subject may be granted pass standing therein, when it is one of the subjects prescribed for the General Course.

HONOUR COURSES.

There are the following Honour Courses:

1. Classics.
2. Greek and Hebrew Languages.
3. Semitic Languages.
4. Modern Languages.
5. English and History.
6. History.
7. Political Science.
8. Philosophy.
9. Mathematics and Physics.
10. Physics.
11. Biological and Physical Sciences.
12. Biology.
13. Chemistry and Mineralogy.
14. Geology and Mineralogy.
15. Household Science.

Candidates will not be allowed to claim examination in more than two honour courses after the First Year.

A candidate who has obtained honour standing in each subject of an honour course but who has failed in more than two of the subjects of the General Course at the May examination may present himself at the September Supplemental examination, and if such candidate at the close

of that examination has not more than two failures recorded against him, he may proceed with the work of the next higher year, although he will not be granted class standing until he has passed in both subjects, provided always that a candidate who has not been granted complete first year standing may not enter upon the work of the third year, nor a candidate who has not been granted complete second year standing upon the work of the fourth year.

A candidate who fails to obtain standing in his honour course may receive credit in the General Course on such conditions as the Council of the Faculty may determine.

A candidate who obtains an average of fifty per cent. on all the subjects of his honour course, but fails to obtain that percentage (*i.e.*, falls below the line) in any one subject, will not be ranked for honours in the course, but may be allowed to proceed with the work of the next higher year.

A candidate in the Fourth Year of an honour course who fails to obtain honour standing may on recommendation of the examiners be awarded a degree without honours.

Such candidate may accept the award or may repeat the year and again compete for honours.

TRANSFERS.

A candidate, who at the close of the September examination has completed the work of any year in the General Course, may, on the recommendation of the instructors concerned, be transferred to an honour course on such conditions as the Council of the Faculty may determine.

A candidate who at the end of the September examination has completed any year of an honour course may be transferred to the General Course, or on the recommendation of the instructors concerned, from one honour course to another on such conditions as the Council of the Faculty may determine.

SPECIALIST STANDING.

The following paragraphs are extracts from the Regulations of the Educational Department for the Province of Ontario:—

Any person who obtains a degree in Arts in the Honour Department of Mathematics, Science, Classics, English and History, Moderns and History, or French and German, as specified in the Calendar of any University in Canada and accepted by the Education Department, who has graduated with at least second class honours (or 66 per cent. in each subject of such Honour Department) and who has been in actual attendance in such department at a University for not less than two academic years, shall be entitled to the non-professional qualifications of a specialist in such department.

A graduate who has not taken an honour degree in one of the above courses shall be entitled to the non-professional standing of a specialist, on submitting to the Education Department a certificate from the Registrar of the University, that he has passed, subsequently to graduation, the examinations prescribed for each year of the honour course of the department in which he seeks to be recognised as a specialist, or any examinations which are recommended by the University as equivalent thereto and accepted as such by the Education Department; and that he has been in actual attendance in such department at a University for not less than two academic years in preparation for the examination therefor.

RELIGIOUS KNOWLEDGE.

Undergraduates who exercise the options in Religious Knowledge, must present to the College in which they are enrolled, certificates of having attended lectures, unless granted dispensation by the Council of the Faculty, and of having passed examinations in the subjects so selected. These examinations must be taken in the same year as the corresponding University examinations, and be subject to the same regulations as to standard.

REPEATING THE YEAR.

A student in the General Course may repeat the year in an honour course, and, on obtaining standing, may proceed therein.

A candidate in the General Course or an honour course who has failed to receive credit in certain subjects, may repeat the whole examination in May, but is not eligible for scholarship, medals or prizes.

EXAMINATIONS.

A candidate will not be admitted to an examination unless he has paid all the fees chargeable against him. The last day for receiving fees prior to the May examination is the 15th of March.

No candidate will be admitted for examination unless he is certified by the head of the College in which he is enrolled to have complied with all the requirements of that College affecting his admission to such examination.

No candidate in a course involving practical work in a laboratory will be admitted to examination if the Professor under whom his work is carried on reports that he has neglected his laboratory work or signally failed in the practical examinations.

LOCAL EXAMINATIONS.

Local examinations will be held in June and in September at such places as may from time to time be authorized by the Council of the Faculty.

Applications for the establishment of such an examination in June or in September must be made through the Registrar not later than the 1st of May, or the 1st of September respectively.

The presiding examiner or examiners at a local examination will be appointed by the Council of the Faculty, and must be competent to conduct an examination in French, German and Spanish Dictation.

The expenses in connection with such local examinations must be met by the candidates at the centre, or by the authorities of the school or college on whose application the examination is held.

The fee for the presiding examiner will be $5 per diem.

THE MAY EXAMINATION.

The May examination is held at the University and is open to candidates of all the years in the General Course and in all the honour courses.

Arrangements will be made, whenever possible, to allow graduates who are engaged in teaching in Ontario but who desire standing in subjects not taken during their undergraduate course, to take such examinations in their own localities.

Candidates may, if the time-table permits, present themselves for examination in May in subjects in which they have failed previously to receive credit.

In the case of Fourth Year candidates, where there is a conflict in the time-table, a special supplemental examination may be arranged.

Candidates for the May examination are required to send an application according to a printed form, to the Registrar not later than the 15th of March.

THE JUNE EXAMINATION.

The June examination, which is held at the University, and which may be held at local centres, is open to candidates for Senior Matriculation in either the General Course or an honour course.

Candidates for the June examination are required to send an application according to a printed form to the Registrar not later than the 1st of May.

THE SEPTEMBER EXAMINATION.

The September Supplemental examination is held at the University and is open (1) to candidates who failed in subjects of the General Course at a previous examination, and (2) to candidates in any year of

the General Course, who has been prevented by sickness, domestic affliction or other causes beyond their control, from attending the May examination. Such candidates must prove to the satisfaction of the President, the sufficiency of the alleged cause of absence.

Candidates for the September examination are required to send applications according to a printed form to the Registrar not later than the 1st of September.

THE JANUARY EXAMINATION.

A candidate who, having obtained standing at the May or June examination, was prevented by sickness, domestic affliction or other causes beyond his control from attending the September examination, may present himself at the supplemental examination in January, but must prove to the satisfaction of the President the sufficiency of the alleged cause of absence.

Applications for the January examination must be sent to the Registrar not later than the 15th of December.

UNIVERSITY OF OXFORD.

In November, 1895, the University of Oxford admitted this University to the privileges of a Colonial University under the provisions of the Statute on Colonial and Indian Universities.

Under the terms of the Statute, a student of this University who has completed two years of the course in Arts may be admitted to the status of a Junior Colonial Student, while a student who has completed three years and has taken honours in the final examination may be admitted as a Senior Colonial Student. In each of these cases, on complying with certain conditions, a student may obtain his degree in two years.

In October, 1903, the Convocation of the University of Oxford passed two decrees under the terms of which an undergraduate who has obtained first or second class honours in the Third or Fourth Year may be admitted as a Senior Colonial Student, a student who has passed in Greek at the examination of the Second or the Third or the Fourth Year is exempt from the examination in Greek, which is compulsory for all candidates for degrees in Arts.

UNIVERSITY OF CAMBRIDGE.

In October, 1895, the University of Toronto was admitted as an institution affiliated to the University of Cambridge.

Matriculated students who have passed the examinations of the First and Second Years are entitled to admission to the privileges of affiliation, which enables a student to take his degree without completing the full period of residence.

FEES.

I. UNIVERSITY FEES.

All fees are payable to the Bursar, at his office in the Main University Building, between the hours of ten and one o'clock, except on Saturday.

GENERAL.

The following fees are payable:—

For Junior Matriculation	$ 5.00
For Senior Matriculation	15.00
For registration of Certificate admitting to Standing in the Second Year	15.00
For Certificate of Matriculation Standing	5.00
For each Supplemental Examination	10.00
For the January Supplemental Examination	15.00
For each Examination after Matriculation	14.00
For change of Faculty	5.00
For admission *ad eundem statum*	10.00
For the Degree of B.A.	10.00
For the Degree of M.A. (examination, $10; degree, $10.	20.00
For admission *ed eundem gradum* (B.A. or M.A.)	20.00
For registration for Ph.D. course	25.00
For the Degree of Ph.D.	50.00
For dispensation from attendance at lectures in a federated College	5.00
For Certificates of Honour, each	1.00
For Library fee (annually)	2.00

Matriculated undergraduates who are registered students of University College, or Victoria College or Trinity College, may attend the lectures of University professors and lectures in the Faculty of Arts without payment of fees, except those imposed for laboratory work but such students must enter their names with the Registrar of the University.

LABORATORY FEES.

"A course in laboratory work" means the continuous course of instruction in laboratory or practical work offered to the students in any one year in any of the undermentioned subjects, namely, Physics, Chem-

istry, Mineralogy and Geology, Psychology, Physiology, Biology (including Zoology, Botany and Histology), and any other separate subjects in which laboratory work is or may be prescribed.

"A partial course of laboratory work" means a special course, or any subdivision, complete in itself, of a course of laboratory work as above defined.

"A matriculated student in Arts" means a student who is matriculated in the University of Toronto, and enrolled in University College, or Victoria College or Trinity College, and whose name is entered with the Registrar of the University of Toronto.

"An occasional student" includes every student in whose case the Board of Governors is authorised to determine fees for courses of lectures in the University of Toronto.

Laboratory fees are divided into, (*a*) Fees for practical instruction in the laboratory, (*b*) Charges for supplies.

The annual practical instruction fee for an occasional student attending a course, or partial course, of laboratory work, is based on the lecture fee prescribed for occasional students by the Board of Governors, namely:—

	For the session.	For a term.
For instruction in one subject of any year.....	$ 8.00	$ 5.00
For instruction in two subjects of any year.....	15.00	8.00
For instruction in three subjects of any year.....	20.00	12.00
For instruction in four subjects of any year.....	25.00	15.00
For instruction in each additional subject of any year.	5.00	3.00

The regulation with reference to penalties applies to occasional students as well as to those proceeding regularly to a degree.

Practical Instruction Fees.

The annual practical instruction fee for an occasional student attending a course, or partial course, of laboratory work, is determined on the basis of the scale of fees for occasional students.

Charges for Laboratory Supplies.

Charges for supplies shall include laboratory materials and instruments used by or for the student, and ordinary wear and tear of instruments; but not charges for waste, neglect and breakage, which are to be met out of a deposit to be fixed by the Professor.

The annual supply charges for an occasional student shall be according to the following table:—

The annual supply charges for a matriculated student in Arts in the various Laboratories of the University shall be according to the following table:

	Biology	Chemistry	Geology and Mineralogy	Physics	Physiology	Psychology	Household Science	Total
First Year.								
1. Natural and Physical Science	$2.00	$2.00	....	$1.00	....	....	....	$5.00
2. Mathematics and Physics	....	....	....	1.00	....	....	....	1.00
3. Household Science	2.00	2.00	....	1.00	....	....	....	5.00
Second Year.								
1. Mathematics and Physics	....	....	....	1.00	....	....	....	1.00
2. Physics	5.00	2.00	....	1.00	....	....	....	8.00
3. Biology	5.00	2.00	$1.00	1.00	....	....	....	9.00
4. Biological and Physical Sciences	3.00	2.00	....	1.00	....	....	....	6.00
5. Chemistry and Mineralogy	....	3.00	2.00	....	....	....	....	5.00
6. Geology and Mineralogy	5.00	2.00	1.00	1.00	....	....	....	9.00
7. Household Science	2.00	2.00	....	....	....	....	$7.00	11.00
Third Year.								
1. Biology	10.00	....	....	....	$2.00	....	....	12.00
2. Chemistry and Mineralogy, Division I	....	10.00	2.00	1.00	....	....	....	13.00
3. Chemistry and Mineralogy, Division II	....	2.00	2.00	....	....	....	....	4.00
4. Geology and Mineralogy	....	....	2.00	1.00	....	....	....	3.00
5. Mathematics and Physics	....	1.00	....	8.00	....	....	....	9.00
6. Philosophy	....	....	....	....	....	$2.00	....	2.00
7. Biological and Physical Sciences	10.00	2.00	....	....	....	....	....	12.00
8. Household Science	....	....	....	....	5.00	....	10.00	15.00
Fourth Year.								
1. Biology	15.00	....	....	....	5.00	2.00	....	22.00
2. Chemistry and Mineralogy, Division I	....	10.00	....	....	....	....	....	10.00
*3. Chemistry and Mineralogy, Division II	....	....	3.00	....	....	....	....	3.00
*4. Geology and Mineralogy	....	....	3.00	....	....	....	....	3.00
5. Physics or Astronomy and Physics	....	....	....	10.00	....	....	....	10.00
6. Philosophy	....	....	....	....	....	3.00	....	3.00
7. Biological and Physical Sciences	15.00	....	....	....	5.00	....	....	20.00
8. Household Science	....	....	....	....	19.00	....	10.00	20.00

* Fees for Drawing and Assaying are not included.

A. Partial Course 1.

Being that prescribed for matriculated students in Medicine:—

	Physics.	Chemistry.	Biology.	Physiology.
First Year	$1 00	$3 00	$2 00	$3 00
Second Year	....	3 00	3 00	5 00

The payment of fees shall not entitle any occasional student to be admitted to the laboratory work of a later year without having taken that of the earlier year or years, unless this requisite is dispensed with by the Council of the Faculty on the recommendation of the Professor.

FEES FOR OCCASIONAL STUDENTS IN ARTS, AND LIBRARY FEES.

1. "A course of lectures" means the continuous course of instruction, excepting laboratory work, offered in the University Faculty to students in Arts in any one year in any of the undermentioned subjects, namely: History, Italian and Spanish, Phonetics, History of Philosophy, Logic, Metaphysics and Psychology, Political Science (including Political Economy, Jurisprudence and Constitutional Law), Mathematics, Physics, Chemistry, Mineralogy and Geology, Physiology, Biology (including Zoology, Botany and Histology), and any other separate subject in which instruction is or may be given by the teaching Faculty in the University of Toronto.

"A partial course of lectures" means any special course or any subdivision, complete in itself, of a course of lectures as above defined.

"A matriculated student in Arts," means a student in Arts who is matriculated in the University of Toronto and enrolled in University College or Victoria College or Trinity College, and whose name is entered with the Registrar of the University of Toronto.

"An occasional student" includes every student in whose case the Board of Governors is authorised to determine fees for courses of lectures in the University of Toronto.

The annual fee for an occasional student attending a course, or partial course, of lectures shall be as follows:—

	For the session.	For a term.
For instruction in one subject of any year.....	$ 8.00	$ 5.00
For instruction in two subjects of any year.....	15.00	8.00
For instruction in three subjects of any year.....	20.00	12.00
For instruction in four subjects of any year.....	25.00	15.00
For instruction in each additional subject of any year.	5.00	3.00

All the above fees are payable in advance, and in the case of fees for lectures, if not paid during the month of October (or in the case of students attending in Easter term only, during the month of January), an additional fee of one dollar per month will be imposed until the whole amount is paid.

Examination Fees.

Teachers' Course, Occasional and Summer Session Students.

For examination in one or two subjects of any year, each...$ 5.00
Maximum examination fee. 14.00

Every matriculated or non-matriculated student proceeding to a degree in Arts shall pay, at the time of the entry of his name with the Registrar, an annual library fee of $2.

No occasional or other student of any class shall be admitted to the library, save upon the payment of an annual fee of $2.

The fee for each examination must be paid at the time of application.

The fee for admission *ad eundem statum*, for change of faculty, for admission to a higher year on the certificate of the head of a federated college, for dispensation from attendance at lectures, or for certificates of honour, must be paid at the time of application.

FEES FOR STUDENTS IN HOUSEHOLD SCIENCE.

Occasional Students.

NORMAL COURSE.

Junior Year.

University fee, tuition	$16.00
Laboratory—	
Chemistry	2.00
Physics	1.00
Household Science	25.00
Examination	10.00
	$54.00

Senior Year.

University fee, tuition	$16.00
Laboratory—	
Household Science	30.00
Physiological Chemistry	5.00
Examination	10.00
	$61.00

Occasional Students.

The regulation respecting instruction fees for occasional students governs the determination of the fees for occasional students in Household Science.

Laboratory Fees for Special Classes.

	Lab. Supply Fee.
1. Elementary Course on Carbohydrate Foods	$3.00
2. Advanced Course on Carbohydrate Foods	5.00
3. Elementary Course on Protein Foods	5.00
4. Advanced Course on Protein Foods	7.00
5. Preparation and Serving of Simple Meals	7.00
6. Invalid Cookery	5.00
7. Home Nursing	1.00
8. Household Management (a)	1.00
9. Household Management (b)	1.00

II. COLLEGE FEES.

Graduates in Arts, who, during their undergraduate course were enrolled either in University College or Victoria College or Trinity College may attend lectures free in the College in which they were so enrolled.

For regular students in Arts, "a course of lectures" means a continuous course of instruction offered to matriculated students in Arts in any one year in any subject.

"A partial course of lectures" means any special course or any subdivision, complete in itself, of a course of lectures as above defined.

"A matriculated student in Arts" means a student who is matriculated in the University, and enrolled in University College or Victoria College or Trinity College, and whose name is entered with the Registrar of the University.

"An occasional student" includes every student, not being a matriculated student under the above definition, in whose case the Board of Governors is authorized to determine fees for courses of lectures.

Every matriculated student in Arts shall, on each year's enrolment in University College or Victoria College or Trinity College, pay an enrolment fee according to the following table, which fee shall include all instruction for which fees are chargeable, except laboratory supply charges and library fees:—

Table of Fees.

First Year—Any course, if paid in full in October	$36.00
By instalments:—	
First instalment, if paid in October	18.00

Second instalment, if paid in January..... 19.00
Second Year—Any course, if paid in full in October.... 36.00
By instalments:—
First instalment, if paid in October..... 18.00
Second instalment, if paid in January..... 19.00
Third Year — Chemistry and Mineralogy, Div. I., *or* Biological and Physical Sciences, *or* Biology *or* Household Science:—
If paid in full in October..... 31.00
By instalments:—
First instalment, if paid in October..... 16.00
Second instalment, if paid in January..... 16.00
Any other course, if paid in full in October..... 36.00
By instalments:—
First instalment, if paid in October..... 18.00
Second instalment, if paid in January..... 19.00
Fourth Year — Chemistry and Mineralogy, Div. I., *or* Physics, *or* Astronomy and Physics:—
If paid in full in October..... 31.00
By instalments:—
First instalment, if paid in October..... 16.00
Second instalment, if paid in January..... 16.00
Biological and Physical Sciences, *or* Biology *or* Household Science:—
If paid in full in October..... 26.00
By instalments:—
First instalment, if paid in October..... 13.00
Second instalment, if paid in January..... 14.00
Any other course, if paid in full in October..... 36.00
By instalments: —
First instalment, if paid in October..... 18.00
Second instalment, if paid in January..... 19.00

All the above fees are payable in advance, and if not paid during the month of October (or in the case of students attending in Easter term only, during the month of January), an additional fee of $1 per month will be imposed until the whole amount is paid.

The annual enrolment fee of a matriculated student in Arts taking, under the regulations, more than one honour course, shall be $36 only.

The enrolment fee of a matriculated student in Arts attending lectures for one term, or part of a term, shall be $18.

The enrolment fee for students receiving dispensation from attendance at lectures in University College or Victoria College or Trinity College, shall be $5 for each term, in addition to the University fee of $5. The payment of these fees entitles the student to supervision of "term work" prescribed in connection with his course.

The annual fee for an occasional student attending a course, or partial course, of lectures in University College or Victoria College or Trinity College shall be similar to the lecture fee prescribed by the Board of Governors for occasional students, namely:—

	For the session.	For a term.
For registration in one subject of any year.....	$ 8.00	$ 5.00
For registration in two subjects of any year.....	15.00	8.00
For registration in three subjects of any year.....	20.00	12.00
For registration in four subjects of any year.....	25.00	15.00
For registration in each additional subject of any year.....	5.00	3.00

The regulation with reference to penalties applies to Occasional students as well as to those proceeding regularly to a degree.

The annual enrolment fee of an occasional student attending all the courses of lectures in any year shall be $36.

For each Certificate of Honour $1 00

PRIZES, MEDALS, SCHOLARSHIPS, AND FELLOWSHIPS.

Where the letter "C" is prefixed, the award is made by the Senate of the University on the recommendation of the Council of the Faculty as the result of competition open to the students of all the Colleges. In all other cases the letter indicates the governing body by which the award is made:—the Council of University College by the letter "U," the Senate of Victoria College by the letter "V," and the Corporation of Trinity College by the letter "T."

With the exception of the Glashan Medal all honours awarded by the Senate on the recomendation of the Faculty are open to the students of all the Colleges.

The competition for a College honour is confined to the students registered in that College.

PRIZES.

First Year.

ITALIAN.

C. The Italian Prize, the gift of the Minister of Foreign Affairs for the Kingdom of Italy.

ENGLISH.

V. The Class of 1902 Prize, the gift of the class of 1902, of the value of $10.00, to the student taking the highest place in Pass English.

Second Year.

ITALIAN.

C. The Italian Prize, the gift of the Minister of Foreign Affairs for the Kingdom of Italy.

ENGLISH.

U. The Alumnae Prize, the gift of the Toronto Alumnae, of the value of $10 in books, to the student ranking highest in English Composition.

V. The Webster Prize, the gift of J. G. Hodgins, Esq., LL.D., of the value of $10, to the student taking the highest place in Pass English.

HEBREW.

V. The Robert Johnston Prize, the gift of the Rev. Professor J. F. McLaughlin, M.A., B.D., of the value of $15, to the student ranking highest in Class A in Pass Hebrew.

ENGLISH BIBLE.

V. The Massey Bursaries, established by the late H. A. Massey, one of $25 and one of $15 are awarded annually to the students standing first and second at the examination in the English Bible.

First and Second Years.

V. Two Prizes of the value of $10 each, will be awarded for the two best essays on a subject to be assigned by the Staff in the Department of English in Victoria College. The prizes will not be granted twice to the same student.

Third Year.

ITALIAN.

C. The Italian Prize, the gift of the Minister of Foreign Affairs for the Kingdom of Italy.

ENGLISH.

V. The Hodgins Prize, the gift of J. G. Hodgins, Esq., LL.D., of the value of $12, to the student taking the highest place in Pass English.

Fourth Year.

ITALIAN.

C. The Italian Prize, the gift of the Minister of Foreign Affairs for the Kingdom of Italy.

CANADIAN CONSTITUTIONAL HISTORY.

V. The Robertson Prize, the gift of W. J. Robertson, M.A., LL.B., of the value of $10, to the student of the General Course taking first place in Class A. in Canadian Constitutional History.

CHURCH HISTORY.

V. The Bede Prize, the gift of the Rev. Professor A. H. Reynar, LL.D., of the value of $10, to the regular student standing first in Church History.

CLASSICS.

T. The Prince of Wales' Prize, $18, for the highest first class honours in Classics.

MATHEMATICS.

T. The Prince of Wales' Prize, $18, for the highest first class honours in Mathematics.

MODERN LANGUAGES.

T. A Prize of $15 for the highest first class honours in Modern Languages.

ENGLISH.

T. A Prize of $15 for the highest first class honours in English.

MODERN HISTORY.

T. A Prize of $15 for the highest first class honours in Modern History.

PHILOSOPHY.

T. A Prize of $15 for the highest first class honours in Philosophy.

POLITICAL SCIENCE.

T. A prize of $15 for the highest first class honours in Political Science.

Third and Fourth Years.

ENGLISH COMPOSITION.

U. The Frederick Wyld Prize, the gift of F. Wyld, Esq., of the annual value of $25, for English Composition, is open for competition among students in attendance on lectures.

BIBLICAL GREEK.

V. The Wallbridge Prize, the gift of A. F. Wallbridge, Esq., of the value of $10, to the student taking the first place in Biblical Greek.

NEW TESTAMENT INTRODUCTION.

V. The Robert Wallace Prize, the gift of the Rev. Professor F. H. Wallace, M.A., D.D., of the value of $10, to the student standing first in New Testament Introduction.

All the Years.

FRENCH COMPOSITION.

U. The French Prose Prize, of the annual value of $10, is open for competition among students in attendance on lectures in University College. The books awarded may be chosen by the winner after consultation with the staff in French.

V. The Pelham Edgar Prize, the gift of Professor Pelham Edgar, Ph.D., of the value of $15. This prize will not be given to the same student more than once.

NEW TESTAMENT HISTORY.

V. The Ryerson Prize, the gift of J. G. Hodgins, Esq., LL.D., of the value of $12, to the student taking the first rank in New Testament History.

ORATORY.

V. The Michael Fawcett Prize of $40 is awarded annually for the best extempore oration on a subject to be assigned by the trustees of the fund at the commencement of each year. This prize is open to all candidates on probation for the ministry of the Methodist Church.

GREEK.

T. A Prize of $20 for Greek Prose.

LATIN.

T. A Prize of $20 for Latin Verse.

T. A Prize of $20 for Latin Essay.

T. A Prize of $20 for an essay in English on some subject of classical study.

ENGLISH.

T. A Prize of $20 for an English Essay.

T. A Prize of $20 for an English Poem.

The subjects of the Trinity College Prizes will be posted on the College notice board.

MEDALS.

Second Year.

THE GENERAL COURSE.

C. The Governor General s Silver Medal will be awarded to that candidate who, taking not less than seventy-five per cent. in this examination, takes also the highest aggregate of marks when the result of the First and Second Year examinations in this course are added together, such examinations having been taken in two consecutive calendar years.

The discretion of the examiners, as in the examination for the Governor General's Gold Medal, shall apply also to this examination.

C. THE COMMERCIAL COURSE.

The P. W. Ellis Bronze Medal, awarded to the student who stands highest in this course.

Fourth Year.

GENERAL PROFICIENCY.

C. The Governor General's Gold Medal is intended for the encouragement of the study of English in those departments in which English is not an integral portion of the work of the third and fourth years and will be awarded to that candidate who, taking not less than sixty-six per cent. in English (as defined below), and not less than seventy-five per cent. in some one of the following honour departments:—(*a*) Classics, (*b*) Greek and Hebrew Languages, (*c*) Semitic Languages, (*d*) History, (*e*) Political Science, (*f*) Philosophy, (*g*) Mathematics, (*h*) Physics, (*i*) Biological and Physical Sciences, (*j*) Biology, (*k*) Chemistry and Mineralogy, (*l*) Geology and Mineralogy, shall also take the best aggregate mark in the two subjects.

English shall be understood to mean only the papers based on English courses 4a, 4b. and 4c.

In order to obviate any unfairness arising from a different system of marking in different departments, the principle shall always be adopted of raising the marks of the best candidate in the first class of each department to the maximum, and those of the others in proportion, unless the examiners of any department report that the marks of the best candidate in their department are not a sufficient merit to be so raised.

The Registrar shall publish not only the name of the successful candidate, but also the names of all candidates who, by satisfying the above conditions, are eligible for the award.

U. The New York Alumnae Medal, awarded to that student among the women of the graduating class, who stands highest in first class General Proficiency. Theological Options will be allowed in Univer-

sity College only, as otherwise it is impossible to secure a uniform standard in marking.

V. The Prince of Wales Gold Medal, the gift of His Majesty the King will be awarded to the student standing first in general proficiency at the examination of the Fourth Year.

V. The Prince of Wales Silver Medal, the gift of His Majesty the King, will be awarded to the student standing second in the same examination.

V. The Governor General's Silver Medal will be awarded to the student standing first in Honour English of the Fourth Year, provided the student has at his final examination obtained first or second class in an honour department or first class in the General Course.

CLASSICS.

U. The McCaul Medal (Gold), established in 1886 by the late W. H. C. Kerr, Gold Medallist in Classics of 1859, in memory of the Rev. John McCaul, LL.D., First Professor of Classics and First President of University College. It was presented by Mr. Kerr from 1886 up to his death, and from 1891 to 1894, after his death, by his widow. Since then the donors have been in 1895 John Hoskin, K.C., LL.D., Chairman of the Board of Trustets; in 1896 Nicol Kingsmill, M.A., K.C., Classical Medallist of 1856; in 1897 A. M. Crombie, Esq., of Montreal, in memory of his brothers Ernestus Crombie, M.A., Gold Medallist in Classics of 1854, and Marcellus Crombie, M.A., LL.B., Gold Medallist in Classics of 1857; in 1898 and 1899 William Dale, M.A., Gold Medallist in Classics of 1871; in 1900 Professor Fletcher, Gold Medallist in Classics of 1872, and Professor Hutton; in 1901 Adam Carruthers, M.A., Gold Medallist in Classics of 1880; in 1902 W. S. Milner, M.A., Gold Medallist in Classics of 1881; in 1903 G. W. Johnston, Ph.D., Lecturer in Latin; in 1904, 1905, 1906 and 1907 the Hon. J. M. Gibson, M.A., LL.D.; by whom it will be presented in 1908.

The winners of the McCaul Medal in the past have been as follows:— 1886, W. P. Mustard, Ph.D.; 1887, E. O. Sliter; 1888, H. J. Crawford; 1889, H. J. Cody, D.D., LL.D; 1890, James Colling; 1891, C. A. Stuart; 1892, F. W. Shipley, Ph.D.; 1893, F. B. R. Hellems, Ph.D.; 1894, J. H. Brown (*ob.*); 1895, W. T. F. Tamblyn, Ph.D.; 1896, Donald McFayden; 1897, R. O. Jolliffe; 1898, Miss Florence E. Kirkwood; 1899, W. H. Alexander, Ph.D.; 1900, Miss Landon Wright; 1901, E. J. Kylie; 1902, E. H Oliver, Ph.D.;1903, A. G. Brown; 1904, W. H. Tackaberry; 1905, S. A. Cudmore; 1906, R. W. Hart.

V. The Edward Wilson Gold Medal, awarded to the student standing highest in the final examination for honours.

V. The S. H. Janes Silver Medal, awarded to the student standing second in the final examination for honours.

MODERN LANGUAGES.

U. The Governor General's Silver Medal.

V. The J. J. Maclaren Gold Medal, awarded to the student standing highest at the final examination for honours.

V. The S. H. Janes Silver Medal, awarded to the student standing second in the final examination for honours.

POLITICAL SCIENCE.

C. The P. W. Ellis Gold Medal, awarded to the student who stands first in first class honours.

PHILOSOPHY.

V. The E. J. Sanford Gold Medal, awarded to the student standing highest at the final examination for honours.

V. The S. H. Janes Silver Medal, awarded to the student standing second in the final examination for honours.

MATHEMATICS.

C. The Glashan Gold Medal, the gift of J. C. Glashan, LL.D., awarded to the University College candidate who stands highest in first class honours.

V. The S. H. Janes Silver Medal in Mathematics, awarded to the student standing highest in the final examination for honours.

ASTRONOMY AND PHYSICS.

C. The Royal Astronomical Society of Canada Gold Medal, awarded to the candidate obtaining the first place in first class honours.

NATURAL SCIENCE.

V. The G. A. Cox Gold Medal, awarded to the student standing highest at the final examination for honours in any of the Science Courses.

V. The S. H. Janes Silver Medal, awarded to the student standing second at the final examination for honours in any of the Science Courses.

T. The Governor General's Silver Medal, awarded to the student standing highest at the final examination for honours in any of the Science Courses.

All the Years.

POLITICAL SCIENCE.

C. The P. W. Ellis Silver Medal, awarded on the recommendation of the Political Science Club to the student in the Commercial Course or Department of Political Science, for the best essay undertaken as summer research work.

NATURAL SCIENCE.

C. The Cawthorne Medal, the gift of F. T. Shutt, M.A., awarded on the recommendation of the Natural Science Association.

SCHOLARSHIPS—UNDERGRADUATE.

First Year.

CLASSICS.

U. The Moss Scholarship, of the value of $60, founded by subscription in honour of the late Hon. Chief Justice Moss.

V. The Robertson Scholarship, of the value of $50, the gift of J. C. Robertson, M.A., to the first of the first class honour men.

SEMITIC LANGUAGES *or* GREEK AND HEBREW.

T. The Petit Scholarship, of the value of $40, with free tuition for three years.

MODERN LANGUAGES.

U. The Edward Blake Scholarship, of the value of $60, the gift of the Hon. Edward Blake, formerly Chancellor of the University.

POLITICAL SCIENCE.

C. The Bankers' Scholarship, of the value of $70, the gift of the Bank of Toronto, the Canadian Bank of Commerce, the Dominion, Imperial, Standard and Traders' Banks, and the Union Bank of Lower Canada. Only such candidates are eligible as have passed the examination of the First Year and as may undertake to proceed to graduation in the Department of Political Science. A special examination on some special textbook of history or finance will be held at the time of the Supplemental examination in September. This scholarship is not tenable with any other.

The prescribed textbooks are as follows:—
1907: Webb, History of Trade Unionism.
1908: Adams and Sumner, Labour Problems.

MATHEMATICS AND PHYSICS.

C. The Alexander T. Fulton Scholarship, of the value of $60, the gift of the late Alexander T. Fulton, Esq.

NATURAL AND PHYSICAL SCIENCES.

C. The First Alexander T. Fulton Scholarship, of the value of $50, the gift of the late Alexander T. Fulton, Esq.

C. The Second Alexander T. Fulton Scholarship, of the value of $40, the gift of the late Alexander T. Fulton, Esq.

C. The Third Alexander T. Fulton Scholarship, of the value of $30, the gift of the late Alexander T. Fulton, Esq.

BIBLICAL LITERATURE.

U. The Cox Scholarship, of the value of $50, for three years beginning May, 1906, the gift of the Hon. Geo. A. Cox.

The scholarship in Biblical Literature will be awarded to the student who receives the highest marks in the final examination, provided the student is proceeding in regular course to the degree of Bachelor of Arts and has not failed in any subject prescribed for examination. In considering the answers of candidates, special emphasis will be placed on literary style.

Second Year.

CLASSICS.

U. The William Mulock Scholarship, of the value of $60, the gift of the Hon. Sir William Mulock, M.A., LL.D., for many years Vice-Chancellor of the University.

V. A Scholarship, of the value of $50, to the first of the first class honour men.

MODERN LANGUAGES.

U. The George Brown Scholarship, of the value of $60, founded in honour of the late Hon. George Brown.

SEMITIC LANGUAGES.

U. The Knox College Scholarship, in Oriental Literature, of the value of $45, is offered by the Senate of Knox College, to be competed for by students who are in actual attendance in University College, and intend to enter the theological classes of Knox College.

PHILOSOPHY.

C. The John Macdonald Scholarship, of the value of $50, the gift of the late Hon. John Macdonald.

C. The S. B. Sinclair Scholarship, of the value of $25, the gift of S. B. Sinclair, Esq., M.A., Ph.D.

T. A Scholarship in Mental and Moral Philosophy, which entitles the holder to free tuition in the Third and Fourth Years.

POLITICAL SCIENCE.

C. The First Alexander Mackenzie Scholarship, of the value of $75, the gift of the friends of the late Hon. Alexander Mackenzie.

C. The Second Alexander Mackenzie Scholarship, of the value of $50, the gift of the friends of the late Hon. Alexander Mackenzie.

MATHEMATICS AND PHYSICS.

C. The William Mulock Scholarship, of the value of $60, the gift of the Hon. Sir William Mulock, M.A., LL.D.

PHYSICS.

C. The Edward Blake Scholarship, of the value of $45, the gift of the Hon. Edward Blake, Ex-Chancellor of the University.

BIOLOGICAL AND PHYSICAL SCIENCES.

C. The Edward Blake Scholarship, of the value of $45, the gift of the Hon. Edward Blake, Ex-Chancellor of the University.

(1) BIOLOGY AND (2) GEOLOGY AND MINERALOGY.

C. The Edward Blake Scholarship, of the value of $45, the gift of the Hon. Edward Blake, Ex-Chancellor of the University.

CHEMISTRY AND MINERALOGY.

C. The Edward Blake Scholarship, of the value of $45, the gift of the Hon. Edward Blake, Ex-Chancellor of the University.

In case one or more of the four foregoing scholarships is not awarded, the amount rendered available will be divided among the other scholars.

BIBLICAL LITERATURE.

U. The Flavelle Scholarship, of the value of $50, for three years beginning May, 1906, the gift of J. W. Flavelle, Esq.

U. The Wood Scholarship, of the value of $25, for three years beginning May, 1906, the gift of E. R. Wood, Esq.

The scholarships in Biblical Literature will be awarded to the two students who receive the highest marks in the final examinations, provided these students are proceeding in regular course to the degree of Bachelor of Arts and have not failed in any subject prescribed for examination. In considering the answers of candidates special emphasis will be placed on literary style.

Third Year.

CLASSICS.

U. The Moss Scholarship, of the value of $60, founded by subscription in honour of the late Hon. Chief Justice Moss.

V. The Bell Scholarship, of the value of $60, the gift of A. J. Bell, Ph.D., to the first of the first class honour men.

SEMITIC LANGUAGES.

U. The Knox College Scholarship, of the value of $60, is offered by the Senate of Knox College, to be competed for by students who are in actual attendance in University College, and intend to enter the theological classes of Knox College.

MODERN LANGUAGES.

U. The Julius Rossin Scholarship, of the value of $60, the gift of the late Julius Rossin, M.A.

V. The Nelles Scholarship, of the value of $60, the gift of L. E. Horning, Ph.D., and others, to the first of the first class honour men.

PHILOSOPHY.

U. The John Macdonald Scholarship, of the value of $50, the gift of the late Hon. John Macdonald.

C. The Kirschmann Scholarship, of the value of $25, the gift of Dr. A. Kirschmann. This scholarship will be awarded at the end of the Third Year to the student who ranks first in the subject of Light, with first or second class honours in the Department of Philosophy of the Second Year, and obtains first class honour

standing in Experimental Psychology of the Third Year. In case the winner of the John Macdonald Scholarship in Philosophy of the Third Year is eligible for the Kirschmann Scholarship, the latter will be awarded to the next eligible candidate.

POLITICAL SCIENCE.

C. The First Alexander Mackenzie Scholarship, of the value of $75, the gift of the friends of the late Hon. Alexander Mackenzie.

C. The Second Alexander Mackenzie Scholarship, of the value of $50, the gift of the friends of the late Hon. Alexander Mackenzie.

MATHEMATICS AND PHYSICS.

C. A scholarship of the value of $75, the gift of the Local Committee for the Toronto meeting of the American Association for the Advancement of Science. In awarding this scholarship, the theoretical and practical work in the department will be estimated in the proportion of three to one.

PHYSICS.

C. A scholarship of the value of $70, the gift of the Local Committee for the Toronto meeting of the American Association for the Advancement of Science.

C. BIOLOGICAL AND PHYSICAL SCIENCES.

The Daniel Wilson Scholarship, of the value of $30, the gift of the late William Christie, Esq.

BIOLOGY.

The Daniel Wilson Scholarship, of the value of $30, the gift of the late William Christie, Esq.

In case either of the two foregoing scholarships is not awarded, the amount rendered available will be given to the scholar in the other department.

C. CHEMISTRY AND MINERALOGY.

The Daniel Wilson Scholarship, of the value of $30, the gift of the late William Christie, Esq.

GEOLOGY AND MINERALOGY.

C. The Daniel Wilson Scholarship, of the value of $30, the gift of the late William Christie, Esq.

In case either of the two foregoing scholarships is not awarded, the amount rendered available will be given to the scholar in the other department.

BIBLICAL LITERATURE.

U. The Murison Scholarship, of the value of $50, the gift of friends of the late Rev. Ross G. Murison, M.A., Ph.D.

The scholarship in Biblical Literature will be awarded to the student who receives the highest marks in the final examination, provided the student is proceeding in regular course to the degree of Bachelor of Arts

and has not failed in any subject prescribed for examination. In considering the answers of candidates, special emphasis will be placed in literary style.

Fourth Year.

HONOUR COURSE.

T. The Jubilee Scholarship, of the value of $120, tenable for two years, was founded by the Society for the Propagation of the Gospel, and is awarded yearly to the most deserving Bachelor of the Year who has obtained at least second class honours. On admission to the scholarship, a declaration must be signed by the holder that it is his purpose to complete the Divinity Course in Trinity College and to present himself as a candidate for Holy Orders. Should he fail to do so, he will be held bound to refund to the College such proceeds of the scholarship as he shall have received.

All the Years.

V. The endowment of $8,000 provided by the bequest of the late W. E. H. Massey, Esq., will furnish a number of additional scholarships, which are awarded under the terms of the will in aid of deserving students.

T. The late Ven. Archdeacon Nelles, of Brantford, left $2,000 to Trinity College to be used for the assistance of students in Arts or Theology during their course in the College. Loans will be made from this fund, to be repaid by students after the completion of their College course. There are also other funds from which similar loans will be made.

V. The Class of 1893 Bursary, of the value of $25, to be awarded at the discretion of the Faculty of Victoria College.

REGULATIONS RESPECTING THE SCHOLARSHIPS IN THE UNIVERSITY, UNIVERSITY COLLEGE, AND VICTORIA COLLEGE.

No candidate will be permitted to hold more than one scholarship; but any one who would, but for this provision, have been entitled to a second scholarship, will have his name published in the lists.

All undergraduate scholars must sign a declaration of intention to proceed to a degree in Arts in this University, and must attend lectures in one of the Colleges for the academic year immediately following such examination. The Senate, however, on the recommendation of the Faculty, may, upon satisfactory reasons being shown, permit such scholar to postpone attendance upon lectures for a year. If at the end of the year a further postponement is necessary, special application must again be made. In every such case the payment of the scholar-

ship will likewise be postponed. The scholarships are paid in three instalments—on the fifteenth of November, the fifteenth of January and the fifteenth of March; and each scholar is required to send to the Registrar a certificate of attendance upon lectures at least three days before the date of each payment.

No scholarship will be awarded to any candidate who has been placed lower than the first class in the department to which the scholarship is attached.

Undergraduate and Graduate.

THE RHODES SCHOLARSHIP.

C. The trustees of the late Mr. C. J. Rhodes have assigned one of the Rhodes Scholarships to the Province of Ontario.

The following are excerpts from the regulations laid down by the trustees:—

The election of scholars in Canada under the Rhodes bequest will take place each year during the month of January. The scholars will begin residence at Oxford in October of the year for which they are elected.

Each scholarship is tenable for three years, and is of the value of £300 per annum.

Candidates shall be British subjects, and unmarried. They must have passed their nineteenth, but not have passed their twenty-fifth birthday, on October 1st of the year for which they are elected.

An elected scholar must have reached at least the end of his sophomore or second year's work at some recognised degree-granting University or College of Canada.

Candidates may elect whether they will apply for the Scholarship of the Province in which they have acquired any considerable part of their educational qualification, or for that of the Province in which they have their ordinary private domicile, home or residence. They must be prepared to present themselves for examination or election in the Province they select. No candidate may compete in more than one Province, either in the same or in successive years.

Only candidates who have passed an equivalent to the Oxford Responsions examination or those who are exempted from Responsions by the Colonial Universities' Statute, are eligible for election.

As the University of Oxford has admitted this University to the privileges of a Colonial University, a student who has completed the first and second years with Greek as an optional subject is admitted to advanced standing at Oxford, and is excused from Responsions.

In accordance with the wish of Mr. Rhodes, the Trustees desire that "in the election of a student to a scholarship, regard shall be had to (i) his literary and scholastic attainments, (ii) his fondness for and success in manly out-door sports, such as cricket, football and the like, (iii) his qualities of manhood, truth, courage, devotion to duty, sym-

pathy for and protection of the weak, kindliness, unselfishness and fellowship, and (iv) his exhibition during school-days of moral force of character, and of instincts to lead and to take an interest in his schoolmates." Mr. Rhodes suggested that (ii) and (iii) should be decided in any school or college by the votes of fellow-students, and (iv) by the head of the school or college.

Additional information will be furnished to intending candidates on application to the President of the University.

The election of a Rhodes Scholar by this University will take place in January, 1908, and then in 1910.

The Rhodes Scholars:—

1904: E. R. Paterson, B.A.

1906: R. C. Reade, B.A.

POLITICAL SCIENCE.

C. The Ramsay Scholarship in Political Economy, of the value of $60, the gift of Mr. William Ramsay. This scholarship is open for competition to all graduates or undergraduates who have been placed in the first class in one of the Economic subjects of the Fourth Year in the honour department of Political Science; but not more than two years must have elapsed since the competitor passed the examination above specified. The award is made upon an essay, the subject of which must be some question in Economics or Finance, of interest to the commercial community in Canada, to be announced in May of each year, and the competition closes on the 15th of September thereafter, by which date the essays must be sent to the Registrar.

The subject for 1907 is the Municipal History of any Town or City in Canada, the municipality to be selected by the competitor.

The following outlines are given by way of suggestion: (1) Sketch of city's or town's development. (2) Administrative organization of the municipality and relation to Province. (3) The administrative work. (4) Its financial history, including its financial relations to the Province. (5) Conclusions.

Authorities must be carefully stated in every case.

The subject for 1908 is the British American League and its relation to the development of protectionist sentiment in Canada. Students are recommended to consult Professor McLean before beginning work on this subject.

SCIENCE.

C. The 1851 Exhibition Science Research Scholarship, of an annual value of £150, is awarded in alternate years by His Majesty's Commissioners for the Exhibition of 1851, on the recommendation of the Faculty through the Senate, to a student who has given evidence of capacity for advancing Science or its applications by original research.

GENERAL REGULATIONS.

1. The Scholarships are intended, not to facilitate attendance on ordinary collegiate studies, but to enable students who have passed through a College curriculum and have given distinct evidence of capacity for original research, to continue the prosecution of Science with the view of aiding its advance, or its application to the industries of the country.

2. The Scholarships are of £150 a year, and are ordinarily tenable for two years, the continuation for the second year being dependent on the work done in the first year being satisfactory to the Scholarships Committee.

3. A limited number of the Scholarships are renewed for a third year where it appears that the renewal is likely to result in work of scientific importance.

4. Candidates are recommended by the governing bodies of the Universities and Colleges to which Scholarships are allotted, and the recommendations are considered and decided upon by the Scholarships Committee.

5. The Candidate must be a British subject.

6. The Candidate must have been a *bona fide* student of Science in a University or College in which special attention is given to scientific study for a term of three years.

7. The Candidate must have been for the last full year prior to the time of nomination a student of the institution by which he is nominated, or must have been a student of such institution for a full year ending within twelve months prior to the time of nomination, and since ceasing to be such student have been engaged solely in scientific study.

8. The Candidate must indicate high promise of capacity for advancing Science or its applications by original research. Evidence of this capacity is strictly required, this being the main qualification for a Scholarship. The most suitable evidence is a satisfactory account of a research already performed, and the Commissioners will decline to confirm the nomination of a Candidate unless such an account is furnished, or there is other equally distinct evidence that he possesses the required qualification.

9. A Candidate whose age exceeds thirty will only be accepted under very special circumstances.

10. A Scholarship may be held at any University in England or abroad, or in some other institution to be approved of by the Commissioners. Every scholar is, in the absence of special circumstances, required to proceed to an institution other than that by which he is nominated.

11. The principal work of a Scholar must be a research in some branch of Science, the extension of which is important to the national industries.

12. Scholars are required to devote themselves wholly to the objects of the Scholarships, and are forbidden to hold any position of emolument.

13. Scholars are required to furnish reports of their work at the end of each year of the tenure of their Scholarships. At the expiration of each Scholarship the reports of the Scholar are referred to an eminent authority on the subject treated of, who furnishes an opinion thereon to the Commissioners.

14. The Scholarship stipend is payable half-yearly in advance, but £25 is reserved from the fourth payment until the Scholar has made a satisfactory final report.

The following is an official statement explanatory of section 7 of the General Regulations:—

The Candidate shall be eligible for a Scholarship provided (1) that he has spent the last full academic year immediately prior to the time of nomination as a student in any faculty or scientific department of that institution by which he is nominated, or (2) that he has been a student of such institution for a full academic year ending within twelve months prior to the time of nomination and since ceasing to be a student of that institution has been engaged solely in scientific study.

The word "student" in the preceding statement must be understood as comprehending one engaged in undergraduate or post-graduate work.

SENATE REGULATIONS.

The departments, students of which shall be eligible to be candidates, are the following:—

1. Bacteriology; 2. Biology; 3. Chemistry; 4. Chemistry (applied); 5. Engineering (chemical); 6. Engineering (electrical); 7. Engineering (mechanical); 8. Engineering (civil); 9. Engineering (mining); 10. Forestry; 11. Geology; 12. Mineralogy; 13. Pathology; 14. Physics; 15. Physiology.

A student shall not be deemed to be ineligible because of his being on the teaching staff of the University, if he has not been in receipt of a salary of more than $500 per annum and has not been on the teaching staff for more than two years from graduation.

A student shall be deemed to be eligible in the year in which he intends to graduate, but if nominated for the Scholarship his nomination shall be subject to his being successful in passing his examination for his degree.

The nomination of the Candidate shall be made by a Board composed of seven members appointed by the Senate and the first Board shall consist of the Chancellor, the President, the Chief Justice of Ontario, the Honourable Mr. Justice Osler, the Honourable Mr. Justice Maclaren, the

Honourable Mr. Justice Riddell and Mr. J. A. Worrell, and the Board shall have power to call to its aid as assessor any member of the teaching staff.

In the event of there being no suitable candidate, the Senate on the report of the Council of the Faculty may recommend that a probationary bursary of £70 be awarded to a student who is not immediately qualified for a scholarship, but who gives promise of becoming so, after a year's experience of research work.

Regulations for Probationary Bursaries.

1. A Bursary is intended for the maintenance for one year of a student who proposes to become a Science Research Scholar under the scheme of the Commissioners at the expiration of the period covered by the Bursary, in order to afford him an opportunity of proving his power to carry on independent research. The authorities of an institution recommending a student for a Bursary will be presumed to have satisfied themselves that he *bonâ fide* intends to accept a Scholarship if subsequently appointed to one.

2. An applicant for a Bursary must, except as to evidence of capacity for original research, fulfil all the conditions for the time being laid down for appointment to a Science Research Scholarship. He must have passed a B.Sc. examination (or its equivalent) with honours before the commencement of the period covered by the Bursary. His age must not exceed twenty-five, except under very special circumstances.

3. A Bursary is tenable for one year, and it is of the value of £70, payable by half-yearly instalments in advance, the second instalment being payable on receipt of a certificate from the Professor under whom the holder has been working that he has faithfully performed his duties.

4. A Bursary will be awarded on condition that the nominating institution undertakes to provide for the holder facilities for conducting research, and the requisite supervision, free from charge and incidental expenses.

5. The holder of a Bursary shall devote himself exclusively to research, and work preparatory to research, and none of his time shall be spent in assisting a teacher in his duties. The holder of a Bursary must not hold any other Bursary, Scholarship, or position of emolument.

6. The holder of a Bursary shall on or before 1st May in the year of tenure send to the office of the Commissioners an account of the research work performed by him, together with an application for appointment to a Science Research Scholarship. The Commissioners will expect to receive from the Professor under whom the holder of the Bursary shall have worked, a confidential opinion as to his capacity and qualifications.

7. The Commissioners may either appoint the holder of a Bursary to a Science Research Scholarship, or at their absolute discretion decline to

appoint him, and in the latter case, shall not be called upon to state any ground for their decision.

8. A Science Research Scholarship, if granted, shall be held on the usual conditions attached to the Scholarships, or on any special conditions which the Commissioners may impose. But a scholar who previously to appointment has held a Bursary shall not be eligible for exceptional renewal of his Scholarship for a third year.

The 1851 Exhibition Science Research scholars: —
F. J. Smale, B.A., Ph.D., 1892-93, 1893-94, 1894-95.
F. B. Kenrick, M.A., Ph.D., 1894-95, 1895-96, 1896-97.
A. M. Scott, B.A., Ph.D., 1896-97, 1897-98.
W. G. Smeaton, B.A., Ph.D., 1898-99, 1899-1900.
J. Patterson, B.A., 1900-01, 1901-02.
W. C. Bray, B.A., 1902-03, 1903-04.
E. F. Burton, B.A., 1904-05, 1905-06.
R. H. Clark, M.A., 1906-07.

FELLOWSHIPS.

CLASSICS.

C. Through the liberality of J. W. Flavelle, Esq., LL.D., of Toronto, the Council of the Faculty is enabled to offer for competition in 1909 a Travelling Fellowship, of the value of $750 per annum, tenable for two years in the Modern History School of the University of Oxford, and awarded as follows:—In 1909 in the Honour Course in Classics.

The object of the fellowship has been stated by the donor to be, "in the first instance, to contribute something towards preparing and retaining in the country, if possible, a class of strong men, who may eventually find their way into public life, or at least be with us as the development of higher education in the Dominion requires their services; in the second instance, to encourage the study of history, ancient and modern."

The following paragraphs are extracts from the regulations governing the award:—

(1) The fellowship shall be open to men who have obtained first class honours in "Classics," or "English and History." (Classical option), as the case may be, in at least the Third and Fourth Years, but preferably during the whole of their course. Among the men thus qualified the fellowship shall be awarded to the man who stands first in ancient or modern history as the case may be, as shown by his examinations. But the Board of Appointment (provided below) may by a vote, containing not more than one dissenting voice, pass over the candidate whose marks are highest in favour of one who, in their judgment, better meets the wishes of the

donor as expressed in the words of the preamble "in the first instance . . . their services."

(2) The fellowship shall be awarded in the month of June, and there shall be eligible for it members both of the class then graduating and of the class which graduated in the previous year, subject to the provisions of clause (1).

(3) The fellowship shall be tenable only in the University of Oxford.

(4) It shall be open to men only.

(5) The fellow shall take advantage of the provisions made by the University of Oxford for Colonial students and graduate in Oxford in the Honour School of Modern History.

(6) Where graduates of different years are applying, the Board, if not unanimous in their choice, shall appoint a special examination, such as they think fit, for the purpose of selecting the best candidate, and shall give notice of such examination. The award shall then be made by a vote containing not more than one dissenting voice and subject to the provisions of clause (1); but where all the candidates are of the same year no special examination shall be held.

(7) Should a suitable man not be available in the department to which the fellowship by rotation falls, it shall be awarded in the other department on the same terms, and then alternate as contemplated. Should no man be qualified in either department, the money shall accumulate, and be used for additional fellowships of the same kind and on the same terms.

(8) The following shall constitute the first Board of Appointment:—Professors Hutton, Bell, Bain, Fletcher, Wrong, Robertson, Milner and Duckworth. It shall be the duty of this Board to interpret and apply these clauses, to give notice of the fellowships and to call for applications.

The Fellowship has been awarded to the following:—1901, E. J. Kylie, B.A.; 1903, A. G. Brown, B.A.; 1905, S. A. Cudmore, B.A.

PHILOSOPHY.

C. The George Paxton Young Memorial Fellowship in Philosophy, of the value of $300, will be awarded in June, 1909. The holder must be a Bachelor of Arts who has taken an honour course in Philosophy. This scholarship in tenable for one year, and the holder must devote his whole time to the study of some topic falling under the general term Philosophy. He may pursue his studies either in the University of Toronto, or in some other University approved by the Council of the Faculty; but in either case he shall furnish to the Council of the Faculty such evidence as may from

time to time be required that he is faithfully observing the conditions under which the scholarship was awarded. Applications must be in the hands of the Registrar on or before June 15th, 1907. Further particulars may be obtained from the Registrar.

Those who have held the Young Scholarship are:—M. A. Shaw, B.A., Ph.D., 1897; G. J. Blewett, B.A., Ph.D., 1899; R. J. Richardson, B.A., 1899; F. S. Wrinch, B.A., Ph.D., 1901; Miss M. A. Downing, B.A., 1903; J. I. Hughes, B.A., 1905.

POLITICAL SCIENCE.

C. The Alexander Mackenzie Fellowships in Political Science, two of the value of $375 each, the gift of the friends of the late Hon. Alexander Mackenzie. These fellowships are awarded annually to graduates of the University of Toronto, and they are tenable for one year, but the Council of the Faculty may, at its discretion, award them for a second term. The holder of a Mackenzie Fellowship shall devote his time to the prosecution of special studies at the University of Toronto under the direction of the head of the department in which the fellowship is awarded. The sum of $125 will be paid to the holder of the fellowship on the 15th of October; a further sum of $125 on the 15th of January, provided that the progress of his studies is satisfactory to the Council of the Faculty at that date; and a final instalment of $125 on the 15th of April, or as soon thereafter as his thesis shall be accepted by the Council of the Faculty. During his tenure of the fellowship he will not be permitted to pursue a professional or technical course of study, nor shall he engage in remunerative employment except by permission of the Council of the Faculty. He shall further conform to such other regulations as the Council of the Faculty may deem necessary for carrying out the object of special research for which these fellowships are designed. Any violation of the conditions under which the appointment is made will operate to vacate the fellowship. Applications must be sent in on or before the first of May in each year. Candidates for graduation in such year may apply in anticipation of their graduation.

C. Tutorial Fellowships in Mathematics, Chemistry and Biology, of the annual value of $500 each, are awarded annually. The selection is made from among graduates of the University. Each fellow is appointed annually; but he may be reappointed for a period not exceeding, in all, three years.

Each fellow is required to assist in the teaching and practical work of his department, under the direction of the professor or lecturer. The fellows are selected with a special view to their aptitude for teaching and their attainments in the department in which the appointment is to be made. Every fellow on accepting his appointment comes under an obligation to fulfill the duties of

his fellowship during the academic year in which he is appointed, unless specially exempted.

Candidates must send their applications annually to the Registrar, not later than the first day of June.

THE McCHARLES PRIZE.

In connection with the bequest of the late Æneas McCharles of Provincial Government bonds of the value of $10,000, on the following terms and conditions, namely, that the interest therefrom shall be given from time to time, but not necessarily every year, like the Nobel prizes in a small way; (1) To any Canadian from one end of the country to the other, and whether student or not, who invents or discovers any new and improved process for the treatment of Canadian ores or minerals of any kind, after such process has been proved to be of special merit on a practical scale; (2) Or for any important discovery, invention or device by any Canadian that will lessen the dangers and loss of life in connection with the use of electricity in supplying power and light; (3) Or for any marked public distinction achieved by any Canadian in scientific research in any useful practical line, the following conditions, as passed by the Board of Governors, determine the method of award:—

(1) The title shall be the McCharles Prize.

(2) The value of the prize shall be One Thousand Dollars ($1,000.00) in money.

(3) The term "Canadian" for the purposes of this award shall mean any person Canadian born who has not renounced British allegiance; and for the purposes of the award in the first of the three cases provided for by the bequest, domicile in Canada shall be an essential condition.

(4) Every candidate for the prize shall be proposed as such in writing by some duly qualified person. A direct application for a prize shall not be considered.

(5) No prize shall be awarded to any discovery or invention unless the same shall have been proved to the satisfaction of the awarding body, to possess the special practical merit indicated by the terms of the bequest.

(6) The order of priority in which the three cases stand in the wording of the bequest shall be observed in making the award; that is, the award shall go *caeteris paribus* to the inventor of methods of smelting Canadian ores; and, failing such inventions, to the inventor of methods for lessening the dangers attendant upon the use of electricity; and only in the third event, if no inventors of sufficient merit in the fields of metallurgy and electricity present themselves, to the inventor distinguished in the general field of useful scientific research.

(7) The first award shall not be made before June, 1909,

(8) The composition of the awarding body shall be as follows:—
An expert in Mineralogy.
An expert in Electricity.
An expert in Physics.
and four other persons. All of the members of this body shall be nominated by the Board of Governors of the University of Toronto.

REGULATIONS RELATING TO STUDENTS.

1. The regular students include undergraduates of the University, and matriculants, *i.e.*, students who, though they have not passed the prescribed matriculation examination, are taking the full undergraduate course.

2. No student will be enrolled in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Council of the Faculty to be prejudical to the interests of the University.

3. Matriculated students are required to attend the courses of instruction and the examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the University who persistently neglects academic work.

4. All interference on the part of any student with the personal liberty of another, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council of the Faculty. In particular students of all Faculties are warned against the practices known as the "hustling" of freshmen and against inter-year or inter-faculty "hustles." Any student convicted of participation in such proceedings will render himself liable to expulsion from the University.

5. A student who is under suspension, or who has been expelled from a College or the University, will not be admitted to the University buildings or grounds.

6. The constitution of every University society or association of students and all amendments to any such constitution must be submitted for approval to the Council of the Faculty. All programmes of such societies or associations must, before publication, receive the sanction of the Council of the Faculty. Permission to invite any person not a member of the Faculty of Arts to preside at or address a meeting of any society or association must be similarly obtained. Societies and associations are required to confine themselves to the objects laid down in their constitution.

7. The name of the University is not to be used in connection with a publication of any kind without the permission of the Council of the Faculty.

8. Occasional students may be admitted to lectures on application to the President.

9. Certificates of attendance on lectures in any department during an academic year may be given to occasional students who have been regular in their attendance, and who have also passed the examinations in such department.

COURSES OF INSTRUCTION.

THE CLASSICS.

The members of the Staff indicated under the headings "The Classics," etc., in the following pages are those of Session 1906-7.

UNIVERSITY COLLEGE:

MAURICE HUTTON, M.A., LL.D. .....*Professor of Greek.*
A. CARRUTHERS, M.A. .....*Associate Professor of Greek.*
J. FLETCHER, M.A., LL.D. .....*Professor of Latin.*
W. S. MILNER, M.A. *Associate Professor of Latin and Ancient History.*
G. W. JOHNSTON, B.A., PH.D.....*Lecturer in Latin.*
G. OSWALD SMITH, M.A.....*Lecturer Designate in Latin.*
W. H. TACKABERRY, M.A.....*Instructor in Greek.*
A. G. BROWN, B.A. .....*Instructor in Ancient History.*
R. W. HART, B.A.....*Deputy Instructor in Latin.*

VICTORIA COLLEGE:

A. J. BELL, M.A., PH.D.....*Professor of Latin.*
A. R. BAIN, M.A., LL.D. .....*Professor of Ancient History.*
J. C. ROBERTSON, M.A. .....*Professor of Greek.*
A. L. LANGFORD, M.A. .....*Associate Professor of Greek.*
J. S. BENNETT, B.A.....*Instructor in Latin.*

TRINITY COLLEGE:

G. OSWALD SMITH, M.A. .....*Professor of Classics.*
REV. H. T. F. DUCKWORTH, M.A.....*Lecturer in Classics.*
E. T. OWEN, M.A. .....*Fellow in Classics.*

Greek.

1. Greek grammar; translation at sight of easy passages of Greek; translation from English into Greek, involving a knowledge of North and Hillard, Greek Prose Composition (Rivington), pages 1-118 inclusive, but omitting the exercises marked "B," and those in continuous prose.

Homer, Odyssey, Book XXIII.; Lysias, Epitaphius; Xenophon, Hellenica, Book II.

2. Greek grammar; translation at sight from Greek authors; translation from English into Greek prose.

3. Euripides, Medea; Plato, Apology.

4. Homer, Odyssey, Books I. and II.; Herodotus, Book IX.

5. Greek grammar; translation at sight of easy passages of Greek;

translation from English into Greek, involving a knowledge of North and Hillard, Greek Prose Composition (Rivington), pages 1-155 inclusive, but omitting the exercises marked "A" and those in continuous prose.

6. Greek grammar.

7. Translation from English into Greek prose.

8. Sophocles, Antigone; Homer, Iliad, Books I., VI., XVIII.

9. Plato, Euthyphro, Crito; Aristophanes, Birds.

10. Translation at sight from Greek authors; Thucydides, Book II.

11. Greek grammar; translation at sight of easy passages of Greek; translation from English into Greek of sentences and easy prose passages.

12. Grammar and Philology (King and Cookson, Introduction, omitting syntax); translation from English into Greek prose; Aristotle, Ethics, Books I. to IV., and Book X., Chap. 6 to the end; History of Greek Ethics up to Aristotle (Mayor, History of Ancient Philosophy; Grote, History of Greece, Chaps. LXVII. and LXVIII.); Pindar, Olympian Odes, I., II., VI., VII.; Homer, Iliad, Books XXII.-XXIV.

13. Æschylus, Prometheus Vinctus.

14. Translation at sight from Greek authors; Plato, Republic, Books I. to IV.; Sophocles, Œdipus Rex; Aristophanes, Clouds.

15. Prose Composition; translation at sight; Plato, Republic; Aristotle, Ethics, Book X., Chap. 6 to the end, Politics II.; History of Greek Philosophy (Rogers, Student's History of Philosophy).

16. Aristotle, Politics, Books III. and VII. (Newman's edition), with questions on Fustel de Coulanges, La Cité antique and Newman's Introduction to the Politics of Aristotle, Vol. I.

17. Herodotus, Books VII., VIII. and IX.

18. Demosthenes Philippic I., Olynthiacs, I., II., III.; Thucydides, Books I., II., III., and VII.

19. Aristophanes, Frogs; Æschylus, Agamemnon; Theocritus, Idylls, I., VII., VIII., XIII., XV., XXI.; Aristotle, Poetics, with the history of the Greek genius and Greek poetry so far as covered by the following books:—Butcher's Aspects of Greek Genius (2nd edition) and Harvard Lectures, Matthew Arnold's essay On Translating Homer, Butcher's essays in his edition of the Poetics, Jebb's Classical Greek Poetry, Moulton's Ancient Classical Drama.

20. A course of lectures on Greek Archæology, including the Mycenæan civilisation, Greek tombs and tombstones, the theatre, sculpture, painting, vases and architecture.

21. Hellenistic Greek: Psalter Salomonis (Ryle and James) and selections from the Septuagint (Conybeare and Stock).

22. Hellenistic Greek: Selections from the Septuagint (Conybeare and Stock), I. Maccabees.

23. Essays on prescribed topics.

Latin.

1. Translation at sight of an easy prose passage; translation into Latin of sentences based upon Fletcher and Henderson's Latin Prose Composition, Exercises 1-36; translation into Latin of simple narrative, based on the first twenty-five chapters of the prescribed Cicero; questions on grammar and prosody and on the subject matter of the texts; Horace, Odes III. and IV.; Cicero, in Catilinam I. III., IV.

NOTE.—Candidates who have not matriculated should not join this class without previously satisfying the instructors as to their ability to profit by the instruction given.

2. Grammar, including prosody; Latin prose composition; sight translation; Virgil, Aeneid, Books V., VI. (Sidgwick or Page); Horace, Odes and Carmen Sæculare; Cicero, Pro Murena, Pro Milone, Philippic II. The paper on grammar will be largely based on the prescribed authors; the papers on the text will include questions on the contents, style and literary history of the books.

3. Translation at sight of an easy prose passage; translation into Latin of sentences based on Fletcher and Henderson's Latin Prose Composition; translation into Latin of simple narrative based on the prescribed Livy; questions on grammar and prosody and on the subject matter of the texts; Livy, Book VI.; Catullus (Simpson's Selections).

4. Grammar, including prosody.

5. Latin prose composition; translation at sight.

6. Catullus (Simpson's Selections); Virgil, Aeneid, Books VII., VIII., IX. (Sidgwick or Page); Horace, Epistles and Ars Poetica; Sellar, Catullus (The Roman Poets of the Republic) and Horace (The Roman Poets of the Augustan Age).

7. Tacitus, Annals, Book I.

8. Livy, Books VI., IX.

9. Latin grammar; Latin composition[1] (North and Hillard, continuous exercises marked "A."); translation at sight.

10. Lectures on Roman literature as follows:—

(*a*) Roman Satire: Horace, Satires, Book I., 4, 6, 9, 10; Juvenal, Satire X.

(*b*) Didactic Poetry; Virgil, Georgics, Book IV. (Sidgwick).

(*c*) History; Tacitus, Annals, Book II.

11. Latin grammar; Latin composition[2] (North and Hillard, continuous exercises marked "B."); translation at sight.

12. Lectures on Roman literature as follows:—

(*a*) Pastoral Poetry; Virgil, Eclogues I., VI., VIII., X. (Sidgwick).

[1]*Colleges may take instead:—Horace, Epistles I., 1-10 incl.*

[2]*Colleges may take instead:—Horace, Epistles I., 11-20 incl.*

(*b*) Epic Poetry; Virgil, Aeneid, Book IX. (Sidgwick.)

(*c*) Roman Comedy: Terence, Andria.

(*d*) Roman Oratory: Cicero, Pro Archia and In Verrem, Actio Prima (Clarendon Press, King's Select Orations).

NOTE.—Candidates of the Fourth Year who have not passed in the Latin of their Third Year will be required, at the B.A. examination of 1908, to take an additional paper on the work of courses 11 and 12.

13. Grammar and Philology (King and Cookson, Introduction, omiting syntax); Latin prose composition; Cicero, De Finibus, Books I. and II., with an outline of the Stoic and the Epicurean ethics (Mayor, History of Ancient Philosophy).

14. Tacitus, Annals, Books I., II., III., with an introduction to the History of the Principate.

15. Translation at sight; Horace, Satires; Persius, Satire I.; Juvenal, Satires I., III., V., VII., VIII., X., XIII.; Plautus, Captivi; Terence, Phormio; Virgil, Aeneid, Books X., XI., XII. (Page or Sidgwick); Sellar, Horace; Inge, Society in Rome under the Caesars; Sellar, Roman Poets of the Republic; Chaps. VI. and VII.

16. Latin prose composition; translation at sight; Cicero, De Finibus, Books III. and IV., Academica Posteriora I., with questions on post-Aristotelian philosophy (Rogers, Student's History of Philosophy), *or* Aristotle, Ethics, Books V., VI., VII.

17. Cicero, Epistles (Watson's Selections); Sallust, Catiline; Caesar, Civil War.

18. Tacitus, Annals, Books I.-VI. (Furneaux, large edition); Monumentum Ancyranum (Mommsen, second edition); lectures on the Roman Principate to A.D. 37 (Merivale, Vols. III., IV. and V.; Boissier, L'Opposition sous les Césars).

19. Lucretius, Books I. and III.; Tibullus, I., 1 and 3, II., 1 and 5 (Postgate); Propertius, I. 1, 2, 5, 8, 21, 22, III., 5, 21, 29, IV., 1, 3, 7, 9, V., 2, 6, 11 (Postgate); Sellar, Roman Poets of the Republic, Chaps. XI.-XIV.

20. Virgil, Bucolics, Georgics and Aeneid, (Sellar, Virgil; Myers, Essay on Virgil; Mackail, Roman Literature).

21. Comparative Greek and Latin syntax under the following heads; —(*a*) the substantive, number, gender and case; (*b*) the verb, voice, mood and tense; (*c*) particles and prepositions. Students will use Thompson, Greek Syntax; Goodwin, Greek Moods and Tenses; Gildersleeve, Latin Grammar; Roby, Latin Grammar; Bennett, Appendix.

22. Essays on prescribed topics.

Greek and Roman History.

1. General history of Greece to 146 B.C. General History of Rome to A.D. 476 (Goodspeed, History of the Ancient World; Pelham, Outlines of Roman History). The course aims at a simple outline of the general historical movement in the Græco-Roman world and at an appreciation of the most characteristic features of this Mediterranean civilisation.

2. Greek history to the beginning of the Peloponnesian War with special reference to the age of Pericles:—Grant, Age of Pericles; Grote, History of Greece, Part II., Chaps. VI., XI., XXX., XXXI., XLV., XLVI.,

3. Roman Constitutional and Political History to B.C. 264. The lectures in Roman History will be given in connection with Livy, Books VI. and IX., and will cover the following subjects:—the city state, criticism of the regal period, the revolution of 509, the struggle between the orders, the conquest and organization of Italy. Mommsen, Books I. and II.; Taylor, Constitutional and Political History of Rome; Fustel de Coulanges, La Cité antique, omitting those portions of the book which deal with Greek History.

4. Greek History: the century preceding the battle of Chæronea, with special reference to Socrates and the Sophists.

5. Roman Constitutional and Political History from B.C. 264 to B.C. 78: Mommsen, Books III. and IV.; Taylor, Constitutional and Political History of Rome.

6. Greek History: the questions will be based on the authors read and on the period covered by these authors, also on Grote, History of Greece, Part I., Chaps. XV., XVI., XVII., XX., and XXI., and on Warde Fowler, The City State. Special subject—The spread of Hellenism (Mahaffy, Greek Life and Thought from the age of Alexander to the Roman conquest).

7. Roman Constitutional and Political History from the death of Sulla to the death of Cicero: Mommsen, Book V.

8. Roman Institutions: Abbott, Roman Political Institutions; Greenidge, Roman Public Life; Boissier, La Religion romaine.

SEMITIC LANGUAGES.

UNIVERSITY COLLEGE:

J. F. MCCURDY, PH.D., LL.D.....*Professor.*
R. DAVIDSON, M.A., PH.D.....*Associate Professor.*
T. EAKIN, M.A., PH.D.....*Lecturer.*

VICTORIA COLLEGE:

J. F. MCLAUGHLIN, M.A., B.D.....*Professor.*
A. P. MISENER, M.A., B.D.....*Lecturer.*
A. D. MILLER, M.A.....*Instructor.*

TRINITY COLLEGE:

REV. T. H. HUNT, M.A., D.D.....*Lecturer.*

1a. Hebrew Grammar; translation from English into Hebrew and from Hebrew into English. Three hours a week.

2a. Hebrew Grammar with special attention to syntax; translation from English into Hebrew; Exodus 1-7; Ruth; I Samuel 1-11; outlines of the history and geography of Palestine. Three hours a week.

2b. Reading of Judges with special attention to syntax; Hebrew prose exercises. One hour a week.

2c. Exodus 8-20; Numbers 21-24; Deuteronomy 1-11; I Kings 17-19. One hour a week.

2d. Grammar of the Biblical Aramaic with extracts from Daniel and Ezra. Two hours a week in the Michaelmas Term.

2e. Syriac Grammar with exercises in reading easy prose. Two hours a week in the Easter Term.

3a. Translation from English into Hebrew; introduction to the prophetic literature; Hebrew history. One hour a week.

3b. Amos; Isaiah 40-55. One hour a week.

3c. Selected portions of Isaiah 1-39. One hour a week.

3d. Micah; Jeremiah 14-17, 22, 23; Ezekiel 12, 13, 26, 27, 34. One hour a week.

3e. History of Western Asia and Egypt to 586 B.C. with special attention to the history of Israel. Two hours a week.

3f. Beginners' Arabic Grammar with exercises in reading easy prose. Two hours a week.

3g. Hebrew Prose Composition. One hour a week.

3h. West Aramaic Grammar with extracts from the Targums. One hour a week.

4a. Translation from English into Hebrew; introduction to the poetical books; Jewish history. One hour a week.

4b. Selected Psalms. One hour a week.

4c. Job. One hour a week.

4d. Psalms not in 4b; Proverbs 1-8, 15, 25, 30, 31; Ecclesiastes. One hour a week.

4e. History of Western Asia and Egypt from 586 B.C. to A.D. 100, with special attention to the events of Jewish history. Two hours a week.

4f. Beginners' Assyrian Grammar with reading of selected inscriptions and a review of the bearing of Assyriology on Old Testament Science. Two hours a week.

4g. Comparative Grammar of the Semitic Languages. Two hours a week in the Easter Term.

MODERN LANGUAGES.

ENGLISH.

UNIVERSITY COLLEGE:

W. J. ALEXANDER, B.A., PH.D.....*Professor.*
D. R. KEYS, M.A.....*Associate Professor of Anglo Saxon.*
M. W. WALLACE, B.A., PH.D.....*Lecturer.*
A. M. BURNHAM, B.A.....*Instructor.*

VICTORIA COLLEGE:

A. H. REYNAR, M.A., LL.D.....*Professor.*
L. E. HORNING, M.A., PH.D.....*Professor.*
REV. W. T. ALLISON, M.A.....*Lecturer.*

TRINITY COLLEGE:

REV. WILLIAM CLARK, F.R.S.C., M.A., D.C.L., D.D.....*Professor.*
H. C. SIMPSON, M.A.....*Professor.*

Composition: In all four years of the undergraduate course, original essays are required during the session from students taking the Pass course in English, even from those who have received dispensation from attendance on lectures. These essays, after being carefully examined, are returned with suggestions and criticisms, and the marks assigned are reckoned in determining standing at the May examinations.

In the first and second years composition shall be regarded as a subject distinct from literature, and candidates failing to secure the necessary standing in these essays are required to repeat the whole work of the year.

Provision will be made by a special paper in English composition for the examination of candidates for Senior Matriculation who are not in attendance, and who have not presented the essays required.

1a. Composition: The writing of at least four original compositions during the session.

1b. Familiarity with and intelligent appreciation of the following texts: Pope, Rape of the Lock; Goldsmith, Deserted Village; Byron, Childe Harold, Canto III.; Keats, To a Nightingale, To Autumn, On a Grecian Urn; Scott, Rosabelle, Brignall Banks, County Guy, Maid of Niedpath, "Pibroch of Donuil Dhu," "A weary lot is thine, fair maid," Proud Maisie, Jock of Hazeldean, Old Mortality; Carlyle, The Hero as a Prophet; Macaulay, Oliver Goldsmith; George Eliot, Silas Marner; Ruskin, Crown of Wild Olive; Browning, Saul, Andrea del Sarto. Two hours a week.

1c. Critical study of Tennyson, In Memoriam, and of Bronson's English Essays, the selections from Hazlitt to Stevenson inclusive. One hour a week.

2a. Composition: The writing of at least four original compositions during the session.

2b. Familiarity with and intelligent appreciation of the following texts: Shakespeare, Romeo and Juliet, Midsummer Night's Dream, Henry IV., Parts I. and II., Hamlet, King Lear. Two hours a week.

2c. Chaucer, life and works, with critical study of The Prologue, Knight's Tale, Nun's Priest's Tale, and the poems contained in Sweet's Second Middle English Primer. Outlines of the history of the English language. Two hours a week.

3a. Composition: The writing of essays on subjects connected with the course in literature.

3b. An outline of 18th century literature, with a special study of the following texts: Dryden, Absalom and Achitophel, St. Cecilia's Day, Alexander's Feast; Swift, Gulliver's Travels, Books I. and II.; Addison, the selections from the Essays in the Golden Treasury Series; Pope, Rape of the Lock, Prologue to the Satires; Thomson, Summer; Johnson, Lives of Pope and Dryden, The Vanity of Human Wishes; Goldsmith, Deserted Village, Vicar of Wakefield; Cowper, Task, Book IV.; Burke, Conciliation with America; Palgrave's Treasury of Songs and Lyrics, Book III.; Pancoast's Standard English Prose, the selections from Cowley to Burke inclusive. Two hours a week.

3c. Critical study of Milton's original English poems and of his Reformation touching Church Discipline, The Reason of Church Government, Education, Areopagitica, Tenure of Kings and Magistrates, Civil Power in Ecclesiastical Causes, Ready and Easy Way to Establish a New Commonwealth. (All these prose works are to be found in the volume of selections in the Carisbrooke Library published by Routledge). Two hours a week.

3d. Cook's First Book in Old English (Ginn & Co.); outlines of the history of the English language. Two hours a week.

4a. Composition. The writing of essays on subjects connected with the course in literature.

4b. An outline of 19th century literature, with a special study of the following texts: Wordsworth, Michael, Lines composed above Tintern Abbey, Resolution and Independence, Simon Lee, Reverie of Poor Susan, Expostulation and Reply, The Tables Turned, Influence of Natural Objects, "Three years she grew," The Green Linnet, At the Grave of Burns, The Solitary Reaper, Intimations of Immortality, To the Cuckoo, "She was a Phantom of Delight," "I wandered lonely as a cloud," Ode to Duty, To a Skylark ("Ethereal Minstrel"), Elegiac Stanzas, Laodamia, September 1819, The Primrose of the Rock, Yarrow Revisited, "It is a beauteous evening," Written in London, September, 1802, London, 1802, "It is not to be thought of," To Sleep, After-Thought, Mutability, "Scorn not the sonnet," "A poet! he hath put his heart"; Coleridge, The Ancient Mariner, The Lime-tree Bower, Kubla

Khan, France, Frost at Midnight, Dejection, Youth and Age; Scott, Marmion (except the Introductions), The Violet, The Maid of Neidpath, Hunting Song, "Soldier rest, thy warfare o'er," Coronach ("He is gone on the mountains"), Brignall Banks, Jock of Hazeldean, "Pibroch of Donald Dhu," "The sun upon the Weirdlaw Hill," Proud Maisie, County Guy; Byron, Childe Harold, Canto III., Don Juan, Canto I., stanzas 212-268, II., stanzas 49-53, III., stanzas 86-111, XI., stanzas 53-75; Shelley, Alastor, Adonais, Lines written among the Euganean Hills, Stanzas written in Dejection, Ode to the West Wind, An Indian Serenade, The Sensitive Plant, The Cloud, To a Skylark, The Question, To Night, "Worlds on worlds are rolling ever," "The world's great age," "One word is too often profaned," "When the lamp is shattered," Hymn to Intellectual Beauty; Keats, Eve of St. Agnes, The Human Seasons, Fancy, The Eve of St. Mark, "Bards of pleasure and of mirth," On a Grecian Urn, To a Nightingale, To Autumn, La Belle Dame sans Merci; Robert Browning, Cavalier Tunes, My Last Duchess, How they brought the good news, The Bishop orders his Tomb, Saul, Love among the Ruins, Up at a Villa, A Grammarian's Funeral, Fra Lippo Lippi, Andrea del Sarto, Abt Vogler, Rabbi Ben Ezra, Caliban upon Setebos, Confessions, Prospice; Matthew Arnold, The Strayed Reveller, Morality, Sohrab and Rustum, Philomela, The Scholar Gipsy, Thyrsis, Dover Beach; D. G. Rossetti, My Sister's Sleep, The Blessed Damozel, The Portrait, Sister Helen, Insomnia, the following sonnets: On a Refusal of Aid between Nations, Silent Noon, Lost Days, "Retro me, Sathana." (All the selections named in this paragraph are contained in a single volume, "British Poets of the 19th Century," Benjamin H. Sanborn & Co., N.Y.). Two hours a week.

4c. The History of the English Drama: for critical study, Midsummer Night's Dream, King John, Lear, Hamlet; for careful reading, Creation and Fall of Lucifer, Noah's Flood, Sacrifice of Isaac, Secunda Pastorum, Castell of Perseverance, Everyman, Thersytes (Pollard's Miracle Plays); Ralph Roister Doister; Lyly, Campaspe; Greene, Friar Bacon; Marlowe, Tamburlaine, Part I., Edward II.; Kyd, The Spanish Tragedy; Jonson, Every Man in his Humour; Shakespeare, Richard III., Julius Caesar, Othello; Milton, Comus, Samson Agonistes, Arcades.

4d. Wordsworth, Preface to the Lyrical Ballads, Preface to the Edition of 1815; Coleridge, Biographia Literaria, Chapters IV., XIV., XVII.-XXII.; Newman, Apologia, The Idea of a University (Discourses V.-VIII., and the lecture on Literature); Carlyle, Signs of the Times, Characteristics, Voltaire, Chartism; J. S. Mill, Utilitarianism, Liberty, Autobiography; Ruskin, Unto this Last, Lectures in Art (1-4); Robert Browning, Two in the Campagna, "Childe Roland to the Dark Tower Came," Cleon, The Heretic's Tragedy, A Death in the Desert, Epilogue, Bishop Blougram's Apology, Mr. Sludge "the Medium"; Jane Austen, Pride and Prejudice; Scott, Ivanhoe; Dickens, David Copperfield;

Thackeray, Esmond; George Eliot, The Mill on the Floss. Two hours a week.

4e. Beowulf, vv. 1-1250 to be studied critically in the original; a general knowledge of the remainder of the poem will be expected, which may be gained from Hall's, Earle's, Garnett's or Child's translations. One hour a week.

4f. Historical Grammar. One hour a week.

GERMAN.

UNIVERSITY COLLEGE:

W. H. VAN DER SMISSEN, M.A.....*Professor.*
G. H. NEEDLER, B.A., PH.D.....*Associate Professor.*
P. TOEWS, M.A., PH.D.....*Lecturer.*
REV. P. W. MÜLLER.....*Instructor.*

VICTORIA COLLEGE:

L. E. HORNING, M.A., PH.D.....*Professor.*
A. E. LANG, M.A.....*Professor.*
MISS M. E. T. ADDISON, B.A.....*Lecturer.*

TRINITY COLLEGE:

A. H. YOUNG, M.A.....*Professor.*
H. V. ROUTH, B.A.....*Lecturer.*

NOTE:—No candidate should join any class in German without previously satisfying the instructor as to his ability to profit by the instruction given.

1a. Grammar; dictation; translation at sight from easy modern German prose. Two hours a week.

1b. Grammar; pronunciation; translation from English into German; translation at sight from modern German; outlines of the history of German literature to 1740. Three hours a week.

2a. Grammar; dictation; translation from English into German; translation at sight from modern German; Hatfield, German Lyrics and Ballads, pp. 1-48; Freytag, die Journalisten; Frommel, Eingeschneit. Two hours a week.

2b. Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German; outlines of the history of German literature to 1740; Goethe, Poems (20th Century Series, Parts I., II., IV., and V. B), Sesenheim (Heath); Heine, ed. Gregor (Ginn & Co.), pp. 1 to 84. Two hours a week.

2c. Oral term work; simple narrative composition. One hour a week.

3a. Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German; outlines of

the history of German literature to 1740; Lessing, Minna von Barnhelm; Schiller, Poems, (20th Century Series); Keller, Kleider machen Leute. Two hours a week.

3b. Grammar; translation at sight; a general acquaintance with German literature from Gottsched to the death of Schiller; Lessing, Philotas; Goethe, Götz von Berlichingen, Torquato Tasso, Hermann und Dorothea; Schiller, Kabale und Liebe, Maria Stuart; Klenze, Deutsche Gedichte, pp. 1-127. Two hours a week.

3c. Oral term work; translation from English into German; composition. Two hours a week.

4a. Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German; outlines of the history of German literature to 1740; Goethe, Poems (20th Century Series, Parts I., II., IV. and V. B.), Sesenheim (Heath); Heine, ed. Gregor (Ginn & Co.) pp. 1 to 84. Two hours a week.

4b. Grammar; translation at sight; a general acquaintance with the German literature of the 19th century; Schiller, Wilhelm Tell; Klenze, Deutsche Gedichte, pp. 131 to the end; Kleist, Der zerbrochene Krug; Hebbel, Herodes und Mariamne; Heine, Poems, ed. White; Keller, Pankraz der Schmoller; Storm, Pole Poppenspäler; essay by Treitschke on Heinrich von Kleist, and by Erich Schmidt on Storm. Two hours a week.

4c. Oral term work; translation into German; composition. One hour a week.

4d. Elements of Middle High German grammar; history of the German language; history of Middle High German literature; Walther von der Vogelweide (ed. Pfeiffer) Select Poems, Nos. 1, 2, 4, 7, 9, 14, 18, 20, 24, 25, 32, 34, 36, 37, 39, 53; 60, 61, 66, 69, 71-75, 77, 81-83, 85, 87, 88, 97, 99-101, 109, 110, 113, 115-117, 127, 128, 134, 137, 148-151, 154, 166, 167, 172, 181, 188. One hour a week.

FRENCH.

UNIVERSITY COLLEGE:

J. SQUAIR, B.A. ..... *Professor.*
J. H. CAMERON, M.A. ..... *Associate Professor.*
SAINT-ELME DE CHAMP, B. ÈS L. (O.A.) ..... *Lecturer.*
A. F. B. CLARK, B.A. ..... *Instructor.*

VICTORIA COLLEGE:

PELHAM EDGAR, B.A., PH.D. ..... *Professor.*
SAINT-ELME DE CHAMP, B. ÈS L. (O.A.) ..... *Instructor.*

TRINITY COLLEGE:

J. W. G. ANDRAS, PH.D. ..... *Lecturer.*
H. V. ROUTH, B.A. ..... *Lecturer.*

1a. Grammar; dictation; translation from English into French. One hour a week.

1b. Translation at sight from easy modern French prose; Leçons de Choses, par Saffray, pp. 123-255 (Hachette). One hour a week.

1c. Grammar; dictation; pronunciation; translation from English into French; Molière, l'Avare, le Bourgeois Gentilhomme; La Fontaine, Fables, Livre I.; outlines of the History of French Literature to the middle of the 16th century. Three hours a week. (The prose book used is The Elements of French Composition by J. Home Cameron).

Students are recommended to read two or three of the following during the year:—Labiche, la Grammaire, le Voyage de Monsieur Perrichon, les Petits Oiseaux, la Poudre aux Yeux; Scribe, Bertrand et Raton, le Verre d'Eau; Dumas, les Trois Mousquetaires; Lamartine, Graziella; Lamennais, Paroles d'un Croyant; Hugo, Bug Jargal; Saintine, Picciola; Erckmann-Chatrian, Madame Thérèse, l'Ami Fritz; George Sand, la Mare au Diable, la Petite Fadette; Alphonse Daudet, la Belle Nivernaise, le Petit Chose, Contes du Lundi.

2a. Grammar; dictation; translation from English into French; translation at sight from modern French prose; Sainte-Beuve, articles on Marie Stuart, Gibbon and Chesterfield (Profils Anglais, ed. A. Turquet, Dent). Two hours a week.

2b. Grammar; translation from English into French; translation at sight.

History of French literature from the middle of the 16th century to the end of the 17th century.

Corneille, le Cid; Racine, Bérénice; La Bruyère, Caractères (De la société et de la conversation); Bossuet, Oraisons funèbres (Henriette d'Angleterre); Molière, les Précieuses Ridicules, le Misanthrope, le Tartuffe; Boileau, l'Art Poétique, Chants I., II., le Lutrin, Chants I., II. Two hours a week.

2c. Oral term work; simple narrative composition. One hour a week.

3a. Grammar; dictation; translation from English into French; translation at sight from modern French.

Bossuet, Oraisons funèbres (Henriette de France); Voltaire, Zadig; Hugo, Bug Jargal; l'Enfant Espion and other stories (ed. Goodell, American Book Co.). Two hours a week.

3b. Grammar; translation at sight; history of French literature during the 18th century.

Lesage, Turcaret; Voltaire, Mohamet, Micromégas, la Henriade, Chants I., II.; Rousseau, Pages choisies des grands Ecrivains, J.—J. Rousseau, par Rocheblave, Parts III. and IV.; Diderot, Extraits, édition Fallex, Salons, pp. 81-144; Marivaux, le Jeu de l'Amour et du Hasard; Beaumarchais, le Barbier de Séville; André Chénier, Poésies choisies, à l'usage des classes, par Becq de Fouquières, Hymnes et Odes; Chateau-

briand, Atala; Madame de Staël, de l'Allemagne, Seconde Partie, chapitres I.-XV. Two hours a week.

3c. Composition; oral term work; translation from English into French; translation at sight. One hour a week.

3d. Old French grammar; elements of French phonology; Chanson de Roland, lines 1-365 (Clédat's edition). One hour a week.

4a. Grammar; dictation; translation from English into French; translation at sight from modern French.

La Fontaine, Fables, Livres III.; Racine, Iphigénie; Molière, le Bourgeois gentilhomme; Hugo, Hernani; Augier, le Gendre de Monsieur Poirier; Specimens of modern French verse, pp. 148-186, ed. H. E. Berthon (Macmillan & Co., 1903). Two hours a week.

4b. History of French literature during the 19th century; grammar; translation at sight.

Lamartine, Premières Méditations poétiques, I.-XV. (Lemerre); Hugo, les Voix intérieures I.-XXIV., Notre Dame de Paris, Hernani; Balzac, Eugénie Grandet (Calmann Lévy); Augier, le Gendre de Monsieur Poirier; Alphonse Daudet, Tartarin sur les Alpes (Collection Guillaume, Marpon et Flammarion); Taine, Nouveaux Essais de Critique et d'Histoire, les articles sur Balzac et Racine; Leconte de Lisle, Poèmes barbares, pp. 1-55, 166-217 (Lemerre); Maupassant, Huit contes choisis (Heath). Two hours a week.

4c. Oral term work; composition; translation from English into French; translation at sight from French authors of any period. One hour a week.

4d. History of the French language. One hour a week.

ITALIAN AND SPANISH.

W. H. FRASER, M.A.....*Professor.*
F. J. A. DAVIDSON, M.A., PH.D.....*Associate Professor.*
M. A. BUCHANAN, B.A., PH.D.....*Lecturer.*

Italian.

1a. Grammar; pronunciation and oral exercises; dictation and phonetic transcription; translation from English into Italian; translation at sight from modern Italian and from the prescribed text. Textbooks: Mercanti, Come si è fatta l'Italia (for translation); Grandgent, Italian Grammar; Fraser, Italian Exercises. Two hours a week.

2a. Grammar; dictation and phonetic transcription; translation from English into Italian; translation at sight from modern Italian. Textbooks: Grandgent, Italian Grammar; Grandgent, Italian Composition; Bowen, Italian Reader. Two hours a week.

2b. Simple narrative composition in Italian and oral exercises. One hour a week.

3a. Dante, Vita Nuova (ed. Witte, Leipzig, Brockhaus); Petrarca, pp. 233-261 in Torraca, Manuale della Letteratura Italiana, Vol. I.; Boccaccio, pp. 332-343 and 364-367 in Torraca, Vol. I. One hour a week.

3b. Goldoni, Il vero Amico; Manzoni, I promessi Sposi (chaps. 1-15 in Silver, Burdett & Co. edition); grammar; translation at sight from modern Italian; translation from English into Italian; outlines of the history of Italian literature to Boiardo, as in Garnett, History of Italian Literature (students in Div. II. will omit the history of literature of this course). One hour a week.

3c. Free composition in Italian and oral exercises. One hour a week.

3d. History of Italian literature to Boiardo; lectures, with the reading of illustrative selections from Torraca, Vol. I. One hour a week.

4a. Dante, Divina Commedia (Commentata da Scartazzini, Hoepli, Milano); Inferno, cantos 1-4, 26, 27, 32-34, Purgatorio, cantos 1-3, 21, 26, 27, 30, 31, 33); Paradiso, cantos 30-33. One hour a week.

4b. Ariosto, pp. 17-34 in Torraca, Vol. II.; Tasso, pp. 142-157, 171-173, 189-192 in Torraca, Vol. II.; Manzoni, I promessi Sposi (Silver, Burdett & Co. ed.); grammar; translation at sight from modern Italian; outlines of the history of literature from Ariosto to the present time, as in Garnett, History of Italian Literature (students in Div. II. will omit the history of literature of this course). One hour a week.

4c. History of Italian literature from Ariosto to the present time; lectures, with the reading of illustrative selections. One hour a week.

4d. History of the Italian language; outlines of phonology and morphology, with practical exercises on old Italian texts; translation at sight from Italian authors anterior to the 15th century. One hour a week.

Spanish.

1a. Grammar; pronunciation and oral exercises; dictation and phonetic transcription; translation from English into Spanish; translation at sight from modern Spanish and from the prescribed text. Textbooks: Garner, Spanish Grammar; Fontaine, Flores de España (for translation). Two hours a week.

2a. Grammar; dictation and phonetic transcription; translation from English into Spanish; translation at sight from modern Spanish. Textbooks: Hills and Ford, Spanish Grammar; Ford, Spanish Composition; Matzke, Spanish Reader; Zaragüeta (Silver, Burdett & Co. ed.). Two hours a week.

2b. Simple narrative composition in Spanish and oral exercises. One hour a week.

3a. Cervantes, Don Quijote (Vol. XX. in Edición perla, Calleja, Madrid), Part I., chaps. 1-10; Part II., chaps. 42-45, 47, 50, 51 and 53. One hour a week.

3b. Valdés, José; grammar; translation at sight from modern Spanish; translation from English into Spanish; outlines of the history of Spanish literature to Cervantes, as in Fitzmaurice-Kelly, History of Spanish Literature (students in Div. II. will omit the history of literature of this course). One hour a week.

3c. Free composition in Spanish and oral exercises. One hour a week.

3d. History of Spanish literature to Cervantes; lectures with the reading of illustrative selections from Gorra, Lingua e Letteratura Spagnuola and Giner de los Ríos, Manual de la Literatura, Primera Parte. One hour a week.

4a. Lope de Vega, La Estrella de Sevilla; Calderón, La Vida es Sueño (American Book Co. ed.); Alarcón, La verdad sospechosa (ed. Barry, Garnier Frères, Paris). One hour and one-half a week.

4b. Galdós, Doña Perfecta (American Book Co. ed.); grammar; translation at sight from modern Spanish; outlines of the history of Spanish literature from Cervantes to the present time, as in Fitzmaurice-Kelly, History of Spanish Literature (students in Div. II. will omit the history of literature of this course). One-half hour a week.

4c. History of Spanish literature from Cervantes to the present time; lectures, with the reading of illustrative selections. One hour a week.

4d. History of the Spanish language; outlines of phonology and morphology, with practical exercises on old Spanish texts in Gorra, Lingua e Letteratura Spagnuola; translation at sight from Spanish authors anterior to the 16th century. One hour a week.

PHONETICS.

1. Elementary physiological phonetics, with practical exercises in the sounds of the modern languages studied. Textbook: Passy, Petite Phonétique comparée. One hour a week.

HISTORY.

GEORGE M. WRONG, M.A.....*Professor.*
EDWARD J. KYLIE, B.A.....*Lecturer.*
A. G. BROWN, B.A.....*Instructor.*

1. The chief movements in European History from A.D. 325 to 1307, including the continuous history of the British Isles. Bémont and Monod, Mediaeval Europe from 395 to 1270; Green, Short History of the English People, *or* Gardiner, History of England, *and* Wrong, The British Nation.

2. The History of Europe, including (1) the Elements of Anthropology and Ethnology: Keane, Ethnology; Keane, Man Past and Present; (2) the Relations of Geography and History; George, The Relations of Geography and History; (3) the chief movements in European History from A.D. 327 to A.D. 1307, with special reference to the British Isles; Bémont and Monod, Mediaeval Europe from 395 to 1270; Robinson, Readings in European History, Vol. I.; Hodgkin, The Dynasty of Theodosius; Bury, History of the Later Roman Empire, 375 to 800; Dill, Roman Society in the last century of the Western Empire; Bryce, The Holy Roman Empire (new edition), chapters I.-XIII.; Tout, The Empire and the Papacy (919 to 1273); Archer and Kingsford, The Crusades; Henderson, Select Historical Documents of the Middle Ages; Tout, An Advanced History of Great Britain; Green, Short History of the English People, *or* Gardiner, Students' History of England, *and* Wrong, The British Nation. References will be made to further necessary books in the lectures. An adequate knowledge of the Social as well as the Political History will be expected.

For the Geography of the British Isles the Oxford Historical Atlas, and Reich's Atlas, *or* Gardiner's Students' Atlas should be used in all the years; for the Geography of Europe the Oxford Historical Atlas, and Sprüner's Historical Atlas (The Middle Ages) should be consulted.

3. The chief movements in European and American History from 1307 to 1688, including the continuous history of the British Empire. To students taking History as a pass subject the following books are recommended: Lodge, Modern Europe; Symonds (ed. Pearson), Short History of the Renaissance in Italy; Fiske, Discovery of America, chapters II., III., IV., V., VII.; Fisher, The Colonial Era, I.-XI.; Bourinot, Canada, I.-XIV. and works on England as above.

To students reading for honours the following works are recommended: On General European History, Bryce, Holy Roman Empire (new edition), chapters XIV.-XX.; Symonds (ed. Pearson), A Short History of the Renaissance in Italy; Whitcombe, A Literary Source Book of the Italian Renaissance; Johnson, Europe in the 16th Century (1494 to 1598); Wakeman, The Ascendancy of France (1598 to 1715). On England, the United States and Canada, the books recommended for pass students will be read together with further works to be mentioned in the course of lectures.

4. The chief movements in European and American history from A.D. 1688 to the present time. To students taking history as a pass subject the following books are recommended: Lodge, Modern Europe; Rose, The Revolutionary and Napoleonic Era; Fyffe, Modern Europe; Goldwin Smith, The United States; Bourinot, Canada (from chapter XV.) Green *or* Gardiner *and* Wrong on England.

To students reading for honours the following are recommended: Hassall, The Balance of Power; Tocqueville, France before the Revolu-

tion; Morse Stephens, Revolutionary Europe 1789 to 1815, *or* Rose, The Revolutionary and Napoleonic Era; Fyffe, Modern Europe; McLaughlin, History of the American Nation; Lecky, The American Revolution (chapters reprinted from his England in the 18th Century); Seeley, The Expansion of England; Bourinot, Canada; Bourinot, Canada under British Rule; Green *or* Gardiner, *and* Wrong on England as above, and further works to be mentioned in lectures. The course of lectures will close with a discussion of methods of historical study and of the possibility of a philosophy of history, in which reference will be made to Langlois and Seignobos; Introduction to the Study of History, and to Morris Exposition of Hegel's Philosophy of History.

5. Students taking the course in Modern History for a degree will be required to write essays under the direction of the instructors in History, and to present in the Fourth Year an essay based on some of the original materials for a portion of the special period which they select. For other students in History not more than two long essays will be required in the Second Year, and not more than one in each of the Third and Fourth Years. Essays will be taken into account in determining standing in the Class Lists. In all the historical work a knowledge of political and descriptive geography will be required.

6. One of four periods for special study to be selected at the beginning of the Third Year.

Period I. General History from 919 to 1250. In addition to the books recommended under ¶ 2 the following may be used as books of reference: Gibbon, Decline and Fall; Fisher, The Mediaeval Empire; Richter, Annalen der deutschen Geschichte; Giesebrecht, Geschichte der deutschen Kaiserzeit; Henderson, History of Germany in the Middle Ages; Butler, The Lombard Communes; Duff, Tuscan Republics; Hodgson, Early History of Venice; Gregorovius, Geschichte der Stadt Rom im Mittelalter (translated); Delarc, Saint Grégoire VII. et la Réforme de l'Eglise; Martens, Gregor VII.; Lavisse, Histoire de France; Luchaire, Manuel des institutions françaises, Histoire des institutions monarchiques, Les communes françaises; Joinville, Vie de Saint Louis; Freeman, Norman Conquest, chaps. IV., VI., VIII., XII.; Norgate, England under the Angevin Kings, Vol. I., chaps. II.-V.; Longnon, Atlas historique de la France; Finlay, History of the Greek Empire; Oman, The Byzantine Empire; Pears, The Fall of Constantinople (1202-1204); Sybel, Geschichte des ersten Kreuzzugs (translated); Muir, Mohammed; Lane-Poole, Saladin; Preface to the Itinerarium Regis Ricardi (Rolls Series); Moeller, Geschichte der christl. Kirche (translated); Montalembert, Les Moines d'Occident (translated); Church, St. Anselm; Morison, St. Bernard; Jessop, The Coming of the Friars; Sabatier, Vie de St. François (translated); Brother Leo's Mirror of Perfection, The Life of Francis by The Three Companions, and the Little Flowers of Saint Francis (all translated in the Temple

Classics); Rashdall, History of the Universities of Europe in the Middle Ages; Poole, Illustrations of Mediaeval Thought; Beazley, The Dawn of Modern Geography; Barnard, Companion to English History, Middle Ages.

Special attention should be paid to the literature of the period. The following should be referred to: The Song of Roland; The Romance of the Rose; and such romances as Aucassin and Nicolette (translated by A. Lang), and those translated by W. Morris; Dante.

PERIOD II. The History of England from 1487 to 1688. The Paston Letters (Gairdner's edition); Fortesque, On the Governance of England (Plummer's edition); Gairdner, Richard III.; Innes, England under the Tudors and Ten Tudor Statesmen; Busch, Henry VII.; Cavendish, Wolsey; Roper, Life of More; Brewer, Henry VIII.; Merriman, Life and Letters of Thomas Cromwell; Latimer, Sermons (Arber's English Reprints); Pollard, The Protector Somerset; Gairdner, History of the English Church from the accession of Henry VIII. to the death of Elizabeth; Prothero, Constitutional Documents, 1558 to 1625; Creighton, Queen Elizabeth; Beazley, Queen Elizabeth; Hume, Philip II.; Payne, Voyages of Elizabethan Seaman; Seeley, Growth of British Policy; Gardiner, History of England, 1603 to 1641, History of the Great Civil War, History of the Commonwealth and Protectorate, Constitutional Documents from 1625 to 1660, The Puritan Revolution; Ranke, History of England; Hallam, Constitutional History of England; Trevelyan, England under the Stuarts; Traill, Strafford; Clarendon, History of the Great Rebellion; Firth, Cromwell; Macaulay, History of England. In the study of the Rebellion and the Protectorate special attention will be given to primary authorities, such as Cromwell's Letters and Speeches (edited by Carlyle) and Ludlow's Memoirs (edited by Firth).

PERIOD III. General History from 1774 to 1875. Books of reference: Lavisse et Rambaud, Histoire Générale; The Cambridge Modern History; Hassall, The Balance of Power (1715 to 1789); Rose, The Revolutionary and Napoleonic Era; Stephens, Revolutionary Europe; Fyffe, History of Modern Europe; Phillips, Modern Europe; Lecky, History of England in the 18th Century; Martineau, History of England; Walpole, History of England, The History of Twenty-five Years; Fiske, The American Revolution; Walker, The Making of the Nation (United States); Egerton, A Short History of British Colonial Policy; Lyall, Rise of the British Dominion in India; Bourinot, Canada under British Rule; Bradshaw, Self-Government in Canada; Jenks, History of the Australasian Colonies; Rambaud, Histoire de la Civilisation en France; Rocquain, Esprit Révolutionnaire avant la Révolution (translated); Tocqueville, L'ancien Régime et la Révolution; Rousseau, Le Contrat Social; Stephens, Life and Writings of Turgot; Maclehose, Last Days of the French Monarchy; Arthur Young, Travels in France; Carlyle, French Revolution (ed. Fletcher); Willert, Mirabeau; Fournier, Napoleon I. (translated); Rose,

Napoleon I.; Oman, The Peninsular War; Sorel, L'Europe et la Révolution Française; Lebon, Modern France; Thayer, The Dawn of Italian Independence; Bolton King, The Unification of Italy; Cesaresco, The Liberation of Italy; Henderson, Short History of Germany; Longman, Frederick the Great; Seeley, Life and Times of Stein; Sybel, Die Begrundung des deutschen Reichs (translated); Headlam, Bismarck; Bright, Joseph II.; Leger, Histoire de l'Autriche-Hongrie (translated); Rambaud, Histoire de la Russie (translated); Leroy-Beaulieu, L'Empire des Tsars et les Russes (translated); Mahan, Influence of Sea-Power on the French Revolution and Empire; Hamley, The Operations of War; Freeman, Historical Geography.

PERIOD IV. The History of Canada. Books of reference: Houston, Documents Illustrative of the Canadian Constitution; Kingsford, History of Canada; Garneau, Histoire du Canada; Bourinot, Canada under British Rule; Parkman, Pioneers of France in the New World, The Jesuits in North America, La Salle and the Discovery of the Great West, The Old Régime in Canada, Count Frontenac and New France under Louis XIV., A Half Century of Conflict, Montcalm and Wolfe, The Conspiracy of Pontiac; Thwaites, (Ed.) The Jesuit Relations (Selections); Biggar, The Early Trading Companies of New France; Rochemonteix, Les Jésuites de la Nouvelle-France; Chapais, Talon; Lorin, Le Comte de Frontenac; Waddington, La Guerre de Sept Ans; Carlyle, Frederick the Great; Wood, Fight for Canada; Casgrain, Montcalm et Lévis; Munro, The Seigniorial System in Canada; Roy, Histoire de la Seigneurie de Lauzon; Coffin, The Province of Quebec and the American Revolution; Codman, Arnold's Expedition to Quebec; Cavendish, Debates on the Bill for the Government of the Province of Quebec; Dent, Story of the Upper Canadian Rebellion, Canada Since the Union of 1841; Earl of Durham, Report on the Affairs of British North America; Bradshaw, Self-Government in Canada; Confederation Debates; Murdoch, History of Nova Scotia; Bryce, Remarkable History of the Hudson's Bay Company, History of Manitoba; Begg, History of British Columbia; McIlwraith, Sir F. Haldimand; Edgar, General Brock; Bourinot, Lord Elgin, and other volumes of the "Makers of Canada" Series; Pope, Sir John A. Macdonald; Dawson, Canada and Newfoundland (North America, Vol. I.; Stanford's Geographical Series).

7. The Politics of Aristotle (subject matter) and Hobbes's Leviathan (Chaps. XIII.-XXX.).

POLITICAL ECONOMY.

JAMES MAVOR.....*Professor.*
S. J. MCLEAN, M.A., LL.B., PH.D.....*Associate Professor.*
MISS E. M. KEYS, B.A.....*Alexander Mackenzie Fellow.*

Regulations Concerning Essays.

Second Year: The first essay in the second year is a topographical and economic account of the student's home town, city, county or district. A printed outline indicating the plan to be followed may be obtained from the Registrar. The second and third essays are on prescribed subjects.

Third Year: The subjects are to be selected after consultation, with the Professor if desired, on topics connected with the History of Economic Theory.

Fourth Year: The essays are as follows: one in Economic History, one in Political Philosophy, and one in Public Finance. The subjects of these essays are to be arranged after consultation with the Professor if desired.

Date of handing in essays:—

Second Year: First essay, second Wednesday in November.

Third and Fourth Years: First essay, second Wednesday in December.

Second, Third and Fourth Years; Second essay, second Wednesday in February.

Second, Third and Fourth Years: Third essay, second Wednesday in March.

1. (a) Three term essays with (b) term examinations to be held after the Christmas vacation.

2. A general introduction to the study of political economy. The chief textbook is Marshall's Principles of Economics, Vol. I. The following works will also be found useful: Gide, Political Economy; Smart, Introduction to the Theory of Value; Devas, Political Economy; Ely, Introduction to Political Economy; Mavor, Economic History, Tables and Diagrams; Bonar, Elements of Political Economy; Seager, Introduction to Economics; Fetter, Principles of Economics; Bücher, Industrial Evolution, trans. by S. M. Wickett.

3. (a) A systematic account of the development of the history of economic theory and a criticism of current economic theories of value, interest, rent, wages and international trade. The chief textbook for the work of the Michaelmas term is Ingram's History of Political Economy, and for the work of the Easter term, Marshall's Principles of Economics, Vol. I. Students are also expected to study Böhm-Bawerk, Capital and Interest, and the Positive Theory of Capital (transl. Smart); Wieser, Natural Value; Smart, Introduction to the Theory of Value. The following books will also be useful: Cossa, Introduction to the Study of Political Economy; Bonar, Philosophy and Political Economy; Nicholson, Principles of Economics; Keynes, Scope and Method of Political Economy, Chaps. 1-3, 7, 9; Bastable, Theory of International Trade, and the Commerce of Nations; Adam Smith's Glasgow Lectures, ed. Cannan; Adam Smith, Wealth of Nations, ed. Nicholson; Ricardo's

Works, ed. Gonner; Hobson, Economics of Distribution; Clark, J. B., Distribution of Wealth; Pierson, Principles of Economics; Nicholson, Elements of Economics.

(b) Money: Functions of money, standard money, legal tender, the Gresham law, quantity theory, index numbers, bimetallism, monetary systems and policies of the leading countries. Books recommended: Walker, F. A., Money; Bagehot, Lombard Street; Jevons, Money and the Mechanism of Exchange; Scott, Money and Banking; Laughlin, Principles of Money.

(c) An outline of the history of statistics, and methods of statistical tabulation. Textbooks and works of reference are: Meitzen, History, Theory and Technique of Statistics (supp. vol. to Annals of American Academy of Political and Social Science), Philadelphia, 1891; and Bowley, Elements of Statistics. See also article, Statistics in Encyclopædia Britannica. Mayo-Smith, Statistics and Sociology; *ibid.*, Statistics and Economics; The Statesman's Year Book; Block, Traité théorique et pratique de Statistique; Georg von Mayr, Statistik und Gesellschaftslehr; publications of Royal Statistical Society; publications of the American Statistical Association; Census Reports, and The Canada Year Book; reports of Ontario Bureau of Industries.

4. (a) An account of economic history from the early middle ages down to modern times. Books recommended: Ashley, Economic History, Parts I., II.; Toynbee, The Industrial Revolution; Seebohm, English Village Community; Vinogradoff, Villenage in England; Gomme, The Village Community; Gross, Gild Merchant, Chaps. 1-4; Rogers, Six Centuries of Work and Wages, Chaps. 1-6, 8-10; Cunningham, Growth of English Industry and Commerce (ed. 1890); Marshall, Principles, Book I., Chaps. 2, 3; Jevons, State in Relation to Labor, Chaps. 3, 4, 6, 7; Fowle, Poor Law, Chaps. 1, 3, 4; D. A. Wells, Recent Economic Changes; Ely, Labour Movement in America, Chaps. 3, 4; Webb, History of Trade Unionism; Menger, Right to Labour; Gibbins, History of Commerce in Europe.

(b) Commercial Geography: A general account of the commercial geography of the world, including an account of trade routes and methods, with special reference to the commerce of Canada, Great Britain and the United States. Books recommended: Chisholm, Commercial Geography; Adams, Commercial Geography; Gibbins, History of Commerce in Europe.

(c) Transportation: An account of ocean and land transportation and its bearing upon commercial and industrial development. Railway policy, its history in Europe and America, railway rates, etc. Books recommended: Hadley, Railway Transportation; Mavor, English Railway Rates; Acworth, Elements of Railway Economics; H. R. Meyer, Government Regulation of Railway Rates; Ripley, Railway Problems

(assigned portions); McLean, Governmental Regulation of Railways in the United States.

(d) Banking and Corporation Finance: Nature and functions of a bank, management of the reserve, clearing house system, commercial banks and savings banks, trust companies, comparative study of banking policy, foreign exchange. Economic services of corporations, capitalisation, stocks and bonds, problems of management, corporation reports, methods of control, public policy in regard to corporations, speculation, the stock and produce exchanges. Books recommended: Jevons, Money and the Mechanism of Exchange; Dunbar, Theory and History of Banking; Bagehot, Lombard Street; Goschen, Foreign Exchange; Scott, Money and Banking; Duguid, The Stock Exchange; Greene, Corporation Finance; Ripley, Trusts, Pools and Corporations (assigned portions); Pratt, The Work of Wall Street; Meade, Trust Finance.

5. National and local finance; important questions of modern economic policy; the history of public finance and of financial science; public debts and the policy of national and local governments in relation to them; methods of extinction and conversion of debts; sinking funds; public domain—lands, forests, minerals; principles of taxation; incidence of taxation; tariff policy — outline of its history in Great Britain, Canada and the United States; local taxation in Canada and the United States. Books recommended: Bastable, Public Finance; Bastable, The Theory of International Trade; Seligman, The Incidence of Taxation; Seligman, Essays in Finance; Elliott, The Tariff Controversy in the United States; Cossa, Taxation; Adams, Public Debts; Ely, Taxation; Leroy-Beaulieu, Science des Finances, Livre II., Chaps. 4, 5, 9, 10; Giffen, Essays in Finance, first series, IX.; Taussig, Tariff History of United States.

6. History and criticism of political theories. Books recommended: Sidgwick, Elements of Politics; Pollock, History of the Science of Politics; Bonar, Philosophy and Political Economy; Ritchie, Principles of State Interference; Seeley, Introduction to Political Science; Mackenzie, Introduction to Social Philosophy.

7. A post-graduate class is held for candidates for the degree of Ph.D., in subjects selected by them.

CONSTITUTIONAL LAW AND HISTORY.

J. McGREGOR YOUNG, M.A.....*Professor.*

1. The elements of English constitutional history. Textbooks: Fielden, Constitutional History; Adams and Stephens, Select Documents; Taswell-Langmead, Constitutional History of England. Books for reference: Bagehot, The English Constitution; Dicey, The Law of the Constitution; Constitutional Histories (as below).

2. The development of the English Constitution to A.D. 1307. The principal constitutional documents are studied. Textbooks: Selected portions of Stubbs' Constitutional History and of Wakeman and Hassalls' Essays; Fielden; Medley; Select Charters; Adams and Stephens, Select Documents. Books for reference: Freeman, Growth of the English Constitution; Bagehot, English Constitution; Taswell-Langmead; Gardiner, Constitutional Documents; Prothero, Statutes and Documents; Henderson, Historical Documents of the Middle Ages; Grant Robertson.

3. A continuation of the preceding course, in which the development of the English constitution to the present time is traced with special attention to the growth of Parliament and responsible government. The books recommended are the same as in the preceding paragraph.

4. A course in Canadian Constitutional History. Character of French settlement; nature of European claims to territory; government by trading companies; growth of rule by colonial policy as distinguished from trading company policy; establishment of provincial organisation in 1663; the sovereign council; growth of the superior council; local government; land tenure; church and state; the conquest; treaty of Paris; English colonial policy; struggle for responsible government; growth of parties in Upper and Lower Canada; Lord Durham's Report; Union Act; Quebec conference; confederation; relation of Dominion to Great Britain; relation of Provinces to Dominion; comparison of B.N.A. Act with constitutions of United States and of England; growth of local government in Ontario. A list of the principal constitutional documents which are required to be studied will be furnished to students. Textbooks: Bourinot, Constitutional History of Canada; Ashley, Earlier Constitutional History of Canada; Houston, Canadian Constitutional Documents. Books for reference: Parkman's works with special reference to the Old Régime; Biggar, Early Trading Companies of New France; Munro, Constitution of Canada; Story, Introduction to Constitution of the United States; Christie, History of Lower Canada; Kingsford, History of Canada; McEvoy, The Ontario Township (University of Toronto Studies in Political Science, first series, No. 1); Wickett, City Government in Canada (University of Toronto Studies in Economics and History).

5. A course in Public International Law. The fundamental principles are discussed and current questions are examined by way of illustration. The textbooks are: Hall, Wheaton (Boyd's ed.); Lawrence; Walker. Books of reference: Kent, Wharton's Digest; Phillimore; Taylor; and the Encyclopædia of English Law.

6. Federal Constitutional Law. The lectures deal with the essential features of federal government in a comparative view of the federal States. Special attention is given to the constitutions of Canada and

the United States. The sources of the American constitution; its principal provisions; its checks and balances; the operation of usage and judicial interpretation, and its practical working are considered. Textbooks: Clement, Constitution of Canada; Lefroy, Legislative Power; Houston, Constitutional Documents. Books for reference: Todd, Parliamentary Government in the Colonies, p. 318 to the end; Boutmy, Parts 2 and 3; Miller, Story, Hare, and Pomeroy on the Constitution of the United States; Cartwright, Cases on the B.N.A. Act; Cooley, Principles of Constitutional Law; Bryce, American Commonwealth; Woodrow Wilson, Congressional Government.

7. A course in English Constitutional Law, in which the distinctive features of the English constitution, the two Houses of Parliament, the Cabinet and its relation to the Crown and Parliament, the prerogatives, the conventions, the courts, and the position of the subject under English law, are the principal topics. Textbooks: Dicey, Law of the Constitution; Anson, Law and Custom of the Constitution; Hearn, Government of England; Traill, Central Government; Boutmy's Studies, Part I.; Bagehot, English Constitution; Broom, Constitutional Law; Burgess, Political Science and Constitutional Law; Selected Statutes and Decisions.

8. A course in Colonial Constitutional Law, in which the lectures deal with the various forms of colonial government with special reference to the self-governing colonies and current problems. Textbooks: Todd, Parliamentary Government in the Colonies (to page 318); Tarring, Law in Relation to the Colonies; Forsyth, Cases and Opinions on Constitutional Law and designated portions of modern treatises.

LAW.

A. H. F. LEFROY, M.A.....*Professor.*

1. The history of the English law from the Roman Conquest until the Norman Conquest; the Saxon invasions; the laws of the Confessor; the change effected in the law, especially of real property, by the Conqueror and his successors; the introduction or extension of the feudal system; the great changes effected by the legislation of Edward I. and Edward III.; the creation of entailed estates; the struggle to obtain power to alienate them; legislation to restrict alienations in mortmain; the evasion of the law; uses and the rise of the Court of Chancery; the law giving power to devise lands; the legislation of Elizabeth to prevent frauds upon creditors and purchasers; the abolition of feudal tenures by Charles II.; the struggle between the Court of Chancery and the Common Law Courts in the reign of James I.; the efforts in the reign of George III. and subsequently to ameliorate the criminal

law; the reform in procedure in the last century in England; and the English Statutes after 1792 that have their counterpart in our Colonial legislation are discussed and explained. For reference: Reeve, History of English Law; Pollock and Maitland, History of English Law; Blackstone, Commentaries; Holdsworth, History of English Law; R. Storry Deane, Students' Legal History; a collection of English Statutes, and the Revised Statutes of Canada, and of Ontario.

2. The lectures on Roman private law comprise a sketch of the history of the law from the time of the decemviri to the death of Justinian, giving an account of the growth of the unwritten law and of judicial legislation to the suppression of the edict and the formulary system; also the growth of the *jus gentium*, and *jus naturæ;* with an account of the statutory legislation during the Republic and under the Empire, and of the several attempts to form a code, finally terminated by the work of Justinian. A number of lectures are devoted to the substance of Roman law in the time of Justinian. The law of testamentary succession, the various kinds of wills, the duties of the heir, the gift of legacies, trust gifts, and the law of contracts and delicts are explained. The remedial processes for the protection and enforcement of rights are explained, including the *legis actiones*, the changes affected by the formulary system, the summary jurisdiction of the prætor, the abolition of the formulary system, and the *extraordinaria cognitio*. For reference: Muirhead, Historical Introduction to the Private Law of Rome; Sandar, Justinian; Institutes of Gaius, Poste on Muirhead's translation; Walton, Introduction to Roman Law; Girard, Short History of Roman Law (Lefroy & Cameron's translation); Sohm, Institutes of Roman Law (Ledlie's translation).

3. A course of lectures is delivered on General and Historical Jurisprudence, in which the attention of the student is directed to the definition and analysis of *law* and of *rights*, to the sources of law, to the classification of rights, to the consideration of antecedent rights *in rem* and *in personam*, to remedial rights, to adjective private law, to the nature of public law and its various divisions, to international law, and to the application of law. Students are recommended to read the following books: T. E. Holland, Elements of Jurisprudence; Austin, Elements of Jurisprudence (Campbell's Students' edition); Sir H. Maine, Ancient Law, and his Lectures XII., XIII., in The Early History of Institutions. They may also refer to Sir W. Markby, Elements of Law; O. W. Holmes, Common Law; Sir F. Pollock, First Book of Jurisprudence; Sir H. Maine's works so far as not above specified; Bryce, Lectures on History and Jurisprudence.

PHILOSOPHY.

History of Philosophy, Psychology—Psychological Laboratory, Logic, Metaphysics, Ethics.

UNIVERSITY OF TORONTO:

J. G. HUME, M.A., PH.D.,
Professor of the History of Philosophy.

A. KIRSCHMANN, M.A., PH.D.,
Professor of Philosophy and Director of the Psychological Laboratory.

F. TRACY, B.A., PH.D.,
Associate Professor of Philosophy.

A. H. ABBOTT, B.A., PH.D.,
Lecturer in Philosophy and Assistant in the Psychological Laboratory.

W. G. SMITH, B.A.,
Lecturer in Philosophy and Assistant in the Psychological Laboratory.

T. R. ROBINSON, B.A., PH.D.,
Lecturer in Philosophy and Assistant in the Psychological Laboratory.

F. L. BARBER, M.A.,
Instructor in Philosophy.

MISS M. JANSEN, PH.D.,
Class Assistant and Librarian in the Psychological Laboratory.

UNIVERSITY COLLEGE:

J. G. HUME, M.A., PH.D.,
Professor.

VICTORIA COLLEGE:

G. J. BLEWETT, B.A., PH.D.,
Professor.

TRINITY COLLEGE:

WILLIAM CLARK, F.R.S.C., M.A., D.C.L., D.D.,
Professor.

For the guidance of students in Philosophy in selecting subjects where an option is allowed, the subject recommended by the Philosophical Department is indicated by an arrow. If other subjects are selected unavoidable conflicts in the Time Table may arise.

The students in Philosophy will be examined on the problems dealt with in the lectures and on the prescribed texts.

Graduates of this or any other University in any department may be admitted to any of the post-graduate or undergraduate courses in Philo-

sophy on satisfying the instructor in charge that they are fitted to attend such course with advantage.

In all the courses of instruction, essays are required from the students of the general and honour courses. The merits of these essays will be taken into account in determining standing at the various examinations.

Arrangements for post-graduate work in the laboratory and in the philosophical seminaries will be made, as occasion requires.

HISTORY OF PHILOSOPHY.

1. Elementary course, intended as a brief general introduction to the problems of philosophy. History of Greek Philosophy. Two hours a week.

Honour students will read Plato's Republic.

2. Mediaeval and Modern Philosophy up to Kant. Two hours a week.

3. Modern Philosophy, Hume and Kant and their successors. Two hours a week.

4. Seminary in the History of Philosophy. (For graduates and undergraduates).

5. An advanced course for graduates, with special reference to Kant, Fichte, Schelling, Hegel, Schopenhauer, Von Hartman, Herbert Spencer and Wundt. Books recommended: (*a*) General Histories: Erdmann; Kuno Fischer; Windelband; Falckenberg; Ueberweg; Ravisson; Lewes; Morell; Külpe; Paulsen; Janet and Séailles. (*b*) Special On Hobbes, Croom Robertson on Descartes, Kuno Fischer; on Spinoza, Pollock, Caird, Joachim; on Locke, Berkeley and Hume, Green, Frazer, Selby-Bigge; on Leibnitz, Dewey, Latta; on Scottish philosophy, Seth, Murray, Bowen, McCosh; on Kant, Caird, Watson, Morris, Stirling, Mahaffy and Bernard, Adamson, Vaihinger, Erdmann, Riehl; on Fichte, Everett, Adamson; on Schelling, Watson; on Hegel, Wallace, Caird, Harris, Royce, Sterrett; on Spencer, Watson, Collins; on Schopenhauer and Von Hartmann, Bowen, Caldwell.

PSYCHOLOGY.

1. An introductory course of lectures on general psychology. Two hours a week.

2. An introductory course in experimental psychology:—Psychophysics and psychology of the lower senses. One hour a week.

3. An advanced course on the history of psychology. One hour a week.

4. An advanced course in experimental psychology. Two hours a week lectures, and one to two hours a week demonstrations. Psycho-

logical optics and acoustics, time and space relations of mental phenomena, etc.

5. Experimental work in the laboratory, for which the students are arranged in groups and work under the guidance of the director of the laboratory or his assistants, upon special experimental investigations, which are assigned at the beginning of the term. Four hours a week.

6. An experimental course in physiological psychology. One hour a week during the first term, two hours a week during the second term.

NOTE.—Candidates from St. Michael's College may substitute Aristotle, Ethics, Books I.-IV., and one of Plato's Dialogues in the original, for course 5.

Postgraduate Work: Special facilities for research work are provided in connection with the Psychological Laboratory.

LOGIC.

1. Elementary Logic.—An introductory course on the scope and method of Logic, the nature of deductive and inductive reasoning, the canons and methods of scientific investigation, and the detection of fallacy. One hour a week. Books recommended: Hibben, Logic; Mellone, Introductory Textbook of Logic; Tracy, Syllabus of Logic.

2. Epistemology.—An introduction to the philosophy of knowledge. One hour a week. Reading:—Bosanquet, Essentials of Logic; Creighton, Introductory Logic, Part 3.

3. Principles of Science.—A critical exposition of scientific methods, and of the philosophical principles underlying theories of induction. One hour a week. Reading:—Mill, System of Logic; Jevons, Principles of Science; Green, Lectures on Logic.

4. Systems of Logic.—A course on the history and criticism of logical and epistemological theories. One hour a week. Books recommended: Aristotle, Organon; Bacon, Novum Organum; Hamilton, Lectures on Logic; Lotze, Logic; Welton, Manual of Logic; Prantl, Geschichte der Logik.

5. Advanced Logic.—A course for graduates. Studies in the problems of knowledge. Educational bearings of epistemology. Recent developments in logical doctrine. Books recommended: Boole, Laws of Thought; Bosanquet, Logic; Bradley, Principles of Logic; Dewey, Studies in Logical Theory; Hobhouse, Theory of Knowledge; Sigwart, Logic; Venn, Empirical Logic.

METAPHYSICS.

1. Theory of Knowledge.—One hour a week. A course of lectures on Locke's Essay on the Human Understanding.

2. Metaphysical Systems—Theory of Knowledge.—One hour a week. Selections from the following—Anselm, Des Cartes, Hobbes, Berkeley, Hume.

3. Metaphysical Systems—Theory of Knowledge.—Two hours a week. Selections from the following—(*a*) Aristotle's Metaphysics; (*b*) Kant's Critiques; (*c*) Lotze. Wundt.

4. Problems of Metaphysics and Theory of Knowledge with special reference to their relations to modern psychology and recent philosophical systems. One hour a week.

5. Seminary (for Graduates and Undergraduates).

6. Hegel's Metaphysics (for Graduates).

ETHICS.

1. An introduction to the study of ethics. Two hours a week.
   (*a*) History of Ethics—Early Modern Ethics up to Kant. Selections from Selby Bigge's British Moralists, viz., Hobbes, Cudworth, Clarke, Locke, Shaftsbury, Butler; also selections from Hume and Darwin.
   (*b*) Theory of Obligation—lectures.
   (*c*) Applied Ethics.—lectures.
2. More advanced courses. Four hours a week.
   (*a*) History of Ethics—Early Modern up to Kant. Selections from Hobbes, Cudworth, Clarke, Locke, Shaftesbury, Butler, Hume, Darwin.
   (*b*) Theory of Obligation—Sidgwick's Methods of Ethics—lectures.
   (*c*) Applied Ethics—lectures.
3. Modern Ethics. Two hours a week.
   (*a*) History of Modern Ethics. Selections from Hume, Adam Smith, Bentham, J. S. Mill, Spencer.
   (*b*) Theory of Obligation.—Green, Prolegomena to Ethics, Books II. and III., and lectures.
   (*c*) Applied Ethics.
4. Advanced Courses. Four hours a week.
   (*a*) History of Modern Ethics—Selections from Hume, Adam Smith, Bentham, J. S. Mill, Spencer.
   (*b*) Theory of Obligation.—Aristotle, Ethics; Kant, Ethics; Green, Prolegomena.
   (*c*) Applied Ethics—lectures.
5. Ethical Seminary for Graduates and Undergraduates.
6. Advanced Course for Graduates.

NOTE.—Candidates from St. Michael's College may substitute Lorimer's Institutes of Law for Kant's Ethics.

MATHEMATICS AND MECHANICS.

ALFRED BAKER, M.A. . . . . *Professor.*
A. T. DELURY, M.A. . . . . *Associate Professor.*
M. A. MACKENZIE, A.I.A., M.A. . . . . *Associate Professor.*
J. C. FIELDS, B.A., PH.D. . . . . *Associate Professor.*
N. B. MCLEAN, B.A. . . . . *Fellow.*

W. J. LOUDON, B.A. . . . . *Associate Professor of Mechanics.*

Mathematics.

1. Algebra: Simple equations of one, two and three unknown quantities; quadratic equations of one and two unknown quantities; elementary treatment of variation, proportion and progressions; interest forms and annuities. Textbook: DeLury, Intermediate Algebra. Twenty-five hours.

2. Algebra: A course, supplementary to 1 (*a*), in permutations, combinations and binomial theorem. Fifteen hours.

3. Algebra: A special course for students in the Faculty of Applied Science. Twenty-five hours.

4. Analytical Geometry: A course in elementary analytical geometry of two dimensions, suitable for such as, in the Second Year, wish to enter upon the study of elementary infinitesimal calculus. The course in elementary analytical geometry is valuable also for its own sake, as it establishes the more important properties of the conic sections. Textbook: Baker, Analytical Geometry for Beginners. Twenty-five hours.

5. Analytical Geometry: A course for students in the Faculty of Applied Science. Twenty-five hours.

6. Plane Trigonometry: Trigonometrical ratios with their relations to one another; sines, etc., of the sum and difference of angles with deduced formulas; solution of triangles, expressions for the area of triangles; radii of circumscribed, inscribed and escribed circles. Twenty-five hours.

7. Plane Trigonometry: A course similar to 3 (*a*) for students in the Faculty of Applied Science. Forty hours.

8. Analytical Geometry: The more advanced course. Textbooks: C. Smith, Conic Sections; Salmon, Conic Sections. Fifty hours.

9. Algebra: The more advanced course. Textbooks: Hall and Knight, Higher Algebra; C. Smith, Treatise on Algebra; Chrystal, Algebra. Fifty hours.

10. Plane Trigonometry: Textbooks: Todhunter and Hogg, Plane Trigonometry; Hobson, Trigonometry. Fifteen hours.

11. Spherical Trigonometry: Textbooks: Todhunter and Leathem, Spherical Trigonometry. Ten hours.

12. Differential and Integral Calculus: In the Second Year the elementary course in differential and integral calculus is designed to

afford such knowledge of the character, methods and place in science of this important subject as educated men should possess, and also to enable students in chemistry, engineering, etc., to understand those text-books in which the calculus is introduced. Fifty hours.

13. Differential Calculus: Textbooks: Williamson, Differential Calculus; Kiepert, Differential-Rechnung; Gibson, Calculus. Fifty hours.

14. Integral Calculus: Textbooks: Williamson, Integral Calculus; Kiepert, Integral-Rechnung. Fifty hours.

15. Solid Geometry: Textbooks: C. Smith, Solid Geometry; Frost, Solid Geometry. The department is furnished with the admirable thread and plaster models of Brill for illustrating the teaching of geometry of three dimensions. Fifty hours.

16. Newton's Principia, Section I.: Textbooks: Evan's Main's Principia; Frost's Principia. Fifteen hours.

17. Theory of Equations, Including Determinants: Textbook: Burnside and Panton, Theory of Equations. Twenty-five hours.

18. Descriptive Astronomy: An elementary course of twenty-five lectures, once a week throughout the year, together with observations in the evenings. Textbooks: Moulton, Introduction to Astronomy; Todd, New Astronomy. For reference: Young, General Astronomy.

19. Astronomy: The more advanced course. Textbooks: Barlow and Bryan, Elementary Mathematical Astronomy; Godfrey, Astronomy; Chauvenet, Astronomy; Godfray, Lunar Theory; Cheyne, Planetary Theory. Fifteen hours.

20. Practical Astronomy: Observations with the equatorial telescope, the transit instrument and the sextant. Two evenings a week throughout the year. By courtesy of the director of the Meteorological Observatory the astronomical instruments there are used by the students of the University. Textbooks: Campbell, Practical Astronomy.

21. Differential Equations: The elementary course. Fifteen hours.

22. Differential Equations: The advanced course. Textbook: Johnson, Differential Equations; Forsyth, Differential Equations; Page, Ordinary Differential Equations. Fifty hours.

23. Higher Plane Curves: with Introductory course in Modern Geometry. Textbooks: Salmon, Higher Plane Curves; Clebsch, Vorlesungen über Geometrie. Twenty-five hours.

24. Quaternions with Outlines of other Space Analyses. Textbooks: Kelland and Tait, Quaternions; Joly, Manual of Quaternions; Tait, Quaternions. Fifty hours.

25. Invariant Theory: Textbooks: Salmon, Higher Algebra; Elliott, Algebra of Quantics; Gordan, Invariantentheorie; Grace and Young, Algebra of Invariants. Fifty hours.

26. Theory of Numbers: Textbooks: Matthew, Theory of Numbers; Dirichlet, Zahlentheorie (Fourth edition). Fifty hours.

27. Theory of Substitutions: Textbooks: Netto, Theory of Substitutions; Weber, Lehrbuch der Algebra. Fifty hours.

28. Elementary Theory of Functions: Textbooks: Harkness and Morley, Introduction to Analytic Functions; Durège, Theory of Functions; Forsyth, Theory of Functions. Fifty hours.

29. Elliptic Functions: Textbooks: Appell and Lacour, Fonctions Elliptiques; Dixon, Elliptic Functions; Cayley, Elliptic Functions. Fifty hours.

30. Tangential Co-ordinates or Trilinear Co-ordinates: Textbooks: Papelier, Coordonnées Tangentielles; Ferrer, Trillinear Co-ordinates. Fifty hours.

31. Modern Synthetic Geometry: Textbooks: Reye, Geometry of Position (translated by Holgate); Cremona, Projective Geometry; Lachlan, Modern Pure Geometry. Fifty hours.

32. Actuarial Science: General and Elementary: Arithmetic, including the use of logarithms, extended multiplication and reciprocal tables, calculating machines, etc., interest and discount, annuities certain, bond values, loans, etc.; elements of the theory of life contingencies, tables and monetary values. Twenty-five hours with practical work.

33. Advanced Course. Part I.: Compound interest and annuities certain, application of the theory of probabilities to life contingencies, theory of annuities and assurances on lives and survivorships. Twenty-five hours with practical work.

34. Advanced Course. Part II.: Application of the calculus of finite differences and of the infinitestimal calculus to life contingencies tabulation and graduation of vital and other statistics, construction of monetary and other tables involving the contingencies of life. Twenty-five hours with practical work.

35. Advanced Course. Part III. Life interest and reversions, friendly societies, widows and orphans funds, superannuation funds, banking and public finance. Twenty-five hours with practical work.

36. Theory of Probability. Twenty-five hours.

Students of the Fourth Year in the honour department of Mathematics taking this course are advised to take the lectures in Commercial Law in the department of Economics.

Textbooks: Moir, Life Assurance Primer; The Institute of Actuaries, Textbooks I. and II.; King, Theory of Finance; Young, T. E. Insurance.

An alternative course for 35 will be offered for those students of the Fourth Year who have not taken Actuarial Science in the earlier years.

Mechanics.

1. Elementary Mechanics: A course of 25 lectures, twice a week, during Michaelmas term.

2. Elementary Statics and Dynamics: A course of 40 hours, three times a week during the Easter term.

3. Advanced Statics: A course of 35 lectures, three times a week during Easter term.

4. Particle Dynamics: A course of 25 lectures, twice a week during Michaelmas term.

5. Rigid Dynamics: A course of 40 lectures, three times a week during Easter term.

6. Celestial Mechanics: A course of lectures twice a week throughout the year.

7. Method of Least Squares: Once a week during the Easter term.

PHYSICS.

J. C. MCLENNAN, B.A., PH.D.,
Professor and Director of the Physical Laboratory.
C. A. CHANT, M.A., PH.D. ..... *Lecturer.*
E. F. BURTON, B.A. ..... *Demonstrator.*
L. GILCHRIST, M.A. ..... *Demonstrator.*
MISS L. B. JOHNSTON, M.A. ..... *Assistant Demonstrator.*
W. KEAST, B.A. ..... *Assistant Demonstrator.*
D. B. NUGENT, B.A. ..... *Assistant Demonstrator.*
J. A. GARDINER, B.A. ..... *Lecture Assistant.*

The work of instruction in Physics consists of a series of courses of lectures and of practical work in the laboratories, which are embodied in the following schedule:—

1. Elementary Hydrostatics: A course of fourteen lectures, twice a week, during the first half of the Easter Term. Textbook: Glazebrook, Hydrostatics.

2. Elementary Heat: A course of fourteen lectures, twice a week, during the second half of the Easter Term. Textbooks: Edser, Heat for advanced students; Glazebrook, Heat.

The lectures in courses 1, 2, 3, are illustrated by experiments.

3. Mechanics, Hydrostatics and Heat: A laboratory course of one hundred hours, one afternoon a week, throughout the year, designed to illustrate the lectures in courses 1, 2, and 3. Textbooks: Loudon and McLennan, A Laboratory Course in Experimental Physics; Preston, Theory of Heat.

4. Elementary Magnetism and Electricity: A course of thirty-five lectures, three times a week, during the Michaelmas Term. Textbooks: Hadley, Magnetism and Electricity, for Students; Sylvanus Thompson, Electricity and Magnetism; Glazebrook, Electricity and Magnetism.

5. Elementary Light: A course of twenty-five lectures, twice a week, during the Easter Term. Textbooks: Edser, Light for Students; Glazebrook, Light.

6. Elementary Acoustics: A course of fifteen lectures once a week, during the Easter Term. Textbook: Thomson and Poynting, Sound.

The lectures in courses 5, 6 and 7, will be illustrated by experiments.

7. Magnetism, Electricity, Light and Acoustics: A laboratory course of one hundred and fifty hours, two afternoons a week, throughout the year, designed to illustrate the lectures in courses 5, 6 and 7. Textbooks: Loudon and McLennan, A Laboratory Course in Experimental Physics; Carhart and Patterson, Electrical Measurements; Edser, Light for Students.

8. Elementary Physics: An introductory course of thirty-five hours in general physics for medical students, three times a week, during the Michaelmas Term. Textbooks: Gage, Principles of Physics; Daniell, Physics for Medical Students; Millikan and Gale, Physics.

9. A laboratory course of fifty hours, four periods a week, during the Michaelmas Term, designed to illustrate lecture course 9.

9a. Applications of Theory of Potential to Physics. Twenty-five lectures during Michaelmas term.

10. Hydrostatics: A course of twenty-five lectures, twice a week, during the Easter Term. Textbooks: Besant, A Treatise on Hydromechanics, Part I.; Greenhill, Hydrostatics; Minchin, Hydrostatics and Elementary Hydrokinetics; Poynting and Thomson, Properties of Matter.

11. Geometrical Optics: A course of twenty-five lectures, twice a week, during the Michaelmas Term. Textbooks: Herman, Geometrical Optics.

12. Elementary Thermodynamics: A course of fifteen lectures, twice a week, during the Easter Term. Textbook: Maxwell, Theory of Heat.

13. A laboratory course on the accurate determination of physical constants, together with practice in laboratory arts. This course involves about one hundred and fifty hours laboratory work, two afternoons a week throughout the year.

14. Mathematical Theory of Electricity and Magnetism: A course of fifty lectures, twice a week throughout the year. Textbooks: J. J. Thomson, Elements of Electricity and Magnetism; Joubert, Foster and Atkinson, Electricity and Magnetism; Gerrard, Leçons sur l'Electricité, Tomes I. and II.

15. Theory of Optics: A course of fifty lectures, twice a week throughout the year. Textbooks: Drude, Theory of Optics; Mann, Manual of Advanced Optics; Baly, Spectroscopy; Wood, Physical Optics.

16. Physical Optics and Introduction to Astrophysics: A course of fifty lectures, twice a week throughout the year. Textbooks: Schuster, Theory of Optics; Watts, Spectrum Analysis.

17. Mathematical Theory of Elasticity: A course of twenty-five lectures, once a week throughout the year. Textbooks: Williamson, Elasticity; Poynting and Thomson, Properties of Matter.

18. Acoustics: A course of fifteen lectures, once a week, during the Easter Term. Textbooks: Donkin, Acoustics; Schaik, Wellenlehre und Schall; Byerly, Fourier's Series and Spherical Harmonics.

19. Thermodynamics: A course of fifteen lectures, during the Easter Term: Textbooks: Clausius, Mechanical Theory of Heat; Meyer, Kinetic Theory of Gases.

20. Discharge of Electricity Through Gases: A course of twenty-five lectures, during the Easter Term, dealing with the phenomena associated with the conduction of electricity through gases. Textbooks: J. J. Thomson, Recent Researches on Electricity and Magnetism; Conduction of Electricity Through Gases.

21. A laboratory course designed as an extension of course 17, and as an introduction to research work. Students taking up this course are encouraged to spend as much time as possible at laboratory work. A seminary is held in connection with this course bi-weekly, under the direction of the Director of the Laboratory, at which reports on papers in the current physical journals are presented and discussed.

22. Properties of Matter: A course of twenty-five lectures, twice a week, during the Michaelmas term. Textbook: Poynting and Thomson, Properties of Matter.

Post Graduate Work: Special facilities are offered in the laboratories and workshops to graduate students who desire to engage in research work.

Regulations.—*Deposit Fee:* Each student taking the laboratory courses 4, 8, 19 and 27 is required to make a deposit of two dollars ($2.00) before commencing work. All supplies, apparatus broken or destroyed and all fines will be charged against this deposit, which must be renewed when exhausted. At the close of the session cash balances will be returned on a day appointed for the purpose.

Additional Works of reference.—General Physics: Watson, Winkelmann, Ganot, Hastings and Beach, Deschanel (ed. Everett), Jamin, Violle, Nichols and Franklin, Thomson and Tait, Macfarlane's Tables, Chamber's Tables, Millikan and Gale, Mann and Twiss, Elementary Mechanics: Lock, Glazebrook, Briggs and Bryan, Magnus, Loney, Garnet; Elementary Hydrostatics: Glazebrook, Briggs and Bryan, Loney; Elementary Heat: Glazebrook, R. W. Stewart, Jones, Tyndall, Balfour Stewart, Tait, Thomson and Poynting, Edser; Elementary Light: Edser, Deschanel, Jones, R. W. Stewart, Tyndall, Tait, Wright; Elementary Electricity and Magnetism: Poyser, Silvanus Thompson, Glazebrook, Lehfeldt, Cumming, Larden, R. W. Stewart, Day; Elementary Sound: Catchpool, Tyndall, Zahm, Taylor, Stone, Mayer, Capstick,

Thomson and Poynting; Advanced Mechanics: Tait and Steel, Minchin, Routh, Ziwet, Todhunter, Besant, Williamson and Tarlton, Price, Appell; Geometrical Optics: Herman, Aldis, Heath, Parkinson; Hydrostatics: Besant, Minchin, Greenhill; Rigid Dynamics: Loudon, Routh, Pirie, Worthington, Aldis; Acoustics: Donkin, Rayleigh, Helmholtz, Airy, Koenig; Elasticity: Williamson, Lambe, Ibbetson, Love, Todhunter; Physical Optics: Drude, Jamin, Verdet, Basset, Glazebrook, Lommel, Mascart, Shuster, Wood, Preston; Thermodynamics: Clausius, Buckingham, Parker, Whetham, Planck, Preston, Maxwell, Tait; Electricity: J. J. Thomson, Emtage, Maxwell, Mascart and Joubert, Gerrard, Gray, Heaviside, Ebert, Du Bois, Foster and Atkinson's Joubert, Webster, Strutt, Rutherford, Thomson, Soddy, Fournier d'Albé; Least Squares: Merriman, Wright, Airy, Holman, Johnson, Comstock, Gauss; Practical Physics: Loudon and McLennan, Carhart and Patterson, Stewart and Gee, Glazebrook and Shaw, Kohlrausch, Witz, Ayrton, Nichols, Findlay, Watson.

BIOLOGY.

R. RAMSAY WRIGHT, M.A., B.Sc., LL.D.....*Professor.*
B. A. BENSLEY, B.A., PH.D.....*Associate Professor of Zoology.*
W. H. PIERSOL, B.A., M.B.,
Lecturer in Elementary Biology and Histology.
J. H. FAULL, B.A., PH.D.....*Lecturer in Botany.*
R. B. THOMSON, B.A.....*Lecturer in Botany.*
E. M. WALKER, B.A., M.B.....*Lecturer in Zoology.*
E. BOYD, B.A.....*Lecture and Laboratory Assistant.*
A. G. HUNTSMAN, B.A.....*Laboratory Assistant.*
M. D. MCKICHAN, B.A., M.B.....*Class Assistant.*
I. R. BELL, B.A.....*Class Assistant.*
P. G. BROWN, B.A.....*Class Assistant.*
E. C. COLE, B.A.....*Class Assistant.*
C. M. HINCKS, B.A.....*Class Assistant.*
E. A. MCCULLOCH, B.A., M.B.....*Class Assistant.*
A. J. MCKENZIE, B.A., LL.B., M.B.....*Class Assistant.*
W. A. SCOTT, B.A., M.B.....*Class Assistant.*
W. H. TYTLER, B.A.....*Class Assistant.*

Courses extending over only the Michaelmas or the Easter term are indicated as (m) *and* (e) *respectively.*

The lectures and practical instruction in this subject are given in the University Biological Building.

The following courses are provided:—

1. Elementary Biology: A course of two lectures a week throughout the session is designed as an introduction to the whole range of biolo-

gical studies. After a sketch of the scope and objects of these, the lectures will treat (*a*) of the fundamental principles of biology, as illustrated by the simplest animals and plants; (*b*) of typical forms of higher plants in ascending order; (*c*) of typical forms of animals in a similar way; and (*d*) of the structure and functions of the human body. Students are recommended to make use of the Biological Museum in connection with this course of lectures. For reference: Jeffrey Parker, Elementary Biology; Ramsay Wright, High School Zoology; Atkinson, Elementary Botany; Huxley, Lessons in Elementary Physiology.

2. Elementary Zoology: A laboratory course of fifty hours on the general structure of the animal body, its organs and tissues and their functions; principles of adaptation, specialisation, and homology, based on selected types. For reference: Parker & Parker, Elementary Practical Zoology.(m)

A supplementary series of twelve lectures on special topics connected with the above laboratory course.(m)

3. Elementary Botany: A laboratory course of fifty hours on the general structure of plants, by reference to selected types. For reference: Coulter, Textbook of Botany; Kerner and Oliver, Natural History of Plants; Bergen and Davis, Principles of Botany.(e)

A supplementary series of twelve lectures on special topics connected with the above laboratory course.(e)

4. Invertebrate Zoology: A course of twenty-five lectures and seventy-five hours laboratory work on the principal invertebrate phyla. Textbook: Parker & Haswell, Vol. 1.(m)

5. Phanerogamic Botany: A course of twenty-five lectures and seventy-five hours laboratory work on the anatomy and morphology of the flowering plants. Textbook: Strasburger, Noll, Schenck, and Karsten; Textbook of Botany, or, in German, Lehrbuch der Botanik für Hochschulen. For reference: Coulter, Seed-Plants; Britton and Brown, An Illustrated Flora; Scott, Fossil Botany; etc.(e)

6. Comparative Anatomy: A laboratory course of one hundred and fifty hours, comprising dissection and comparative study of selected types: Part 1, Mammalian Anatomy(m); Part 2, Anatomy of Lower Chordates.(e) For reference: Parker, Zootomy; Kingsley, Vertebrate Zoology: Barker; Anatomical Terminology: Wiedersheim; Comparative Anatomy: Reynolds, Vertebrate Skeleton.

7. Vertebrate Zoology: A course of fifty lectures on the system, structure and history of the vertebrates. For reference: as above(6); Gadow, Classification of Vertebrata; Smith Woodward, Vertebrate Palæontology.

8. Zoological Collection: Students entering the second year in zoology are required to submit, as evidence of field proficiency, a collection of invertebrate animals from a prescribed group, together with an essay

on the characters and habits of the forms collected. Special directions may be had on application to the Biological Department.

9. Botanical Collection: Students entering the second year in botany are required to submit a collection of flowering plants, properly pressed, classified, mounted and labelled. For reference: Gray's Manual Special directions may be had on application to the Department.

10. Cryptogamic Botany: A course of twenty-five lectures and one hundred hours laboratory work on the system and morphology of the cryptogams. Textbook: Strasburger. For reference: Campbell, A University Textbook of Botany; Campbell, Mosses and Ferns; Cooke, Introduction to the Study of Fungi; Frank, Lehrbuch der Botanik, Scott, Fossil Botany. (m)

11. Vegetable Physiology: A course of twenty-five lectures and seventy-five hours laboratory work on the physiology of plants. For reference: Green, Introduction to the Physiology of Plants; Macdougal, Practical Textbook of Plant Physiology; Pfeffer, Pflanzenphysiologie. (e)

12. Vertebrate Zoology: A practical course of one hundred hours of laboratory and museum work on the morphology, classification and distribution of the vertebrates. For reference: Gadow, Classification of Vertebrates; Flower & Lydekker, Mammals Living and Extinct; Lydekker, Geographical History of Mammals; Cambridge Natural History, Vols. 7-10; Reynolds, The Vertebrate Skeleton; Flower, Osteology of the Mammalia; Smith Woodward, Outlines of Vertebrate Palæontology; Parker & Haswell, Vol. 2; Willey, Amphioxus; Wiedersheim, Comparative Anatomy. (m)

13. Advanced Invertebrate Zoology: A course of lectures, laboratory and museum work on the morphology, embryology, classification and distribution of the invertebrates. This course is also designed to give training in laboratory methods and microscopic technique. For reference: Parker & Haswell, Vol. I.; Hertwig's Zoology edited by Kingsley; Leunis, Synopsis der Thierkunde; Korschelt & Heider, Embryology; Schneider, Histologie der Thiere; selected papers; Lee, Microtomist's Vade Mecum; Mann, Physiological Histology, Methods and Theory. (e)

14. Special course in Invertebrate Zoology, dealing chiefly with those groups which include parasitic forms, and with technique as above.

15. A short course of instruction in the Morphology and Physiology of Bacteria Moulds and Yeast Fungi.

16. Cytology and Histology: A course of twenty-five lectures and one hundred hours laboratory work. For reference: Cytology: Wilson, The Cell in Development and Inheritance; Histology: Boehm and Von Davidoff, or Szymonowicz and MacCallum. (m)

17. Vertebrate Embryology: A course of twenty-five lectures on the general embryology of the vertebrates.

18. Zoological Collection: Students entering the third year in zoology are required to submit a collection of vertebrate animals from specified groups, together with an essay on the characters and habits of the forms collected. For reference: Jordan, Manual of Vertebrates.

19. Botanical Collection: Students entering the third year in botany are required to submit a collection of cryptogamic plants from prescribed groups.

20. Special Anatomy of the Mammalia: A laboratory course involving a thorough study of the anatomy of the rabbit. Textbook: Krause, Anatomie des Kaninchens.

21. Vertebrate Embryology: A laboratory course of one hundred and fifty hours on the general embryology of the vertebrates. For reference: Ziegler, Vergleichende Entwickelungsgeschichte der niederen Wirbelthiere; Hertwig, Lehrbuch der Entwickelungsgeschichte; Foster & Balfour, Embryology; Marshall, Embryology.

22. Special Embryology of the Mammalia: A laboratory course on the special development of the mammalia. For reference: Minot, McMurrich, Kollmann.

23. Structural Neurology: A short course of lectures and laboratory work on the structure and development of the nervous system. For reference: Edinger, Anatomy of the Nervous System.

24. History and Theory of Biology: An opportunity is afforded to advanced students to become acquainted with the main problems of biology and with the history of the subject. The laboratory is provided with the various works for consultation, and a course of vacation reading is prescribed.

25. A special course for Household Science students of the Third Year including:

(*a*) An introduction to the anatomy and histology of the vertebrates;

(*b*) The natural history of foods;

(*c*) The biology of moulds, yeasts, etc. (*Vide*, 15 *supra*).

26. An introductory course in Human Anatomy including dissection.

27. An advanced course in Human Anatomy including dissection.

For details of courses 26 and 27, which are those arranged by Professor Primrose for First and Second Year students in Medicine, students are referred to the Calendar in Medicine.

28. Research: The members of the staff in this Department are prepared to suggest problems for investigation in certain branches and provide materials and laboratory facilities for properly qualified students.

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY.

A. B. MACALLUM, M.A., M.B., PH.D., LL.D., F.R.S.....*Professor.*
V. E. HENDERSON, M.A., M.B.....*Lecturer.*
A. C. HENDRICK, M.A., M.B.....*Assistant Demonstrator.*
W. H. CRONYN, B.A., M.B.....*Assistant Demonstrator.*
W. F. MCPHEDRAN, B.A.....*Assistant Demonstrator.*
W. B. LARGE, B.A.....*Assistant Demonstrator.*
E. FIDLAR, B.A.....*Assistant Demonstrator.*
J. D. LOUDON, B.A., M.B.....*Assistant Demonstrator.*
F. C. HARRISON, B.A.....*Assistant Demonstrator.*
I. R. BELL, B.A.....*Assistant Demonstrator.*
C. E. ROWLAND, B.A.....*Assistant Demonstrator.*
P. B. MACFARLANE, B.A.....*Assistant Demonstrator.*
R. G. ARMOUR.....*Assistant Demonstrator.*
MISS M. L. EDWARD, B.A.....*Assistant Demonstrator.*
MISS C. C. BENSON, B.A., PH.D.,
Associate Professor of Physiological Chemistry in Household Science.
MISS O. G. PATTERSON, B.H.S.,
Instructor in Physiological Chemistry in Household Science.
MISS M. A. PROCTOR, B.H.S.,
Laboratory Assistant in Household Science.

The instruction in this subject is given in the Physiological Department situated in the south portion of the Medical Building.

The following courses are provided:—

1. A course of lectures, three hours a week during the Easter Term on the Physiology of muscle and nerve and of the circulation.

2. A laboratory course of nine hours a week during the Easter Term, on the Physiology of muscle and nerve and of the circulation. The students who take course No. 1 are expected to take this laboratory course and to show a thorough acquaintance with the experimental side of the subject.

3. A lecture course of three hours a week throughout the session on Physiological Chemistry and on the Physiology of digestion, respiration, nutrition, excretion, of the blood, the nervous system, the sense organs and the organs of internal secretion.

4. A laboratory course of seven hours a week throughout the session and comprehending the experimental side of lecture course No. 3. In this course the student will be required to perform for himself all the experiments and demonstrations which will enable him to acquire a thorough practical acquaintance with the subjects of Physiology and Physiological Chemistry.

5. A course of lectures, two a week during the Easter Term, on Biochemistry and comprehending: the theories of solution, osmosis in

physiological fluids, colloids and their ultramicroscopic characters, ferments and catalysis, rates of reaction, the chemistry of fertilisation and the microchemistry of the cell.

6. A laboratory course of two hours a week, during the Easter Term for students who take lecture course No. 5. This comprehends among other subjects the methods of determining osmotic pressure in physiological fluids, the characters of colloids and the use of the ultramicroscope in studying them, and the microchemical reactions of cells, animal and vegetable.

7. An advanced course of lectures on the Physiology of the nervous system for students of the Fifth Year in Medicine and for postgraduate students.

8. A course of lectures on the Physiology of digestion and nutrition for advanced students and for students of the Fifth Year in Medicine.

9. A laboratory course on the Physiology of digestion and nutrition. This course is intended for those attending lecture course No. 8.

10. A lecture course of three hours a week throughout the session on General Physiology and Physiological Chemistry.

11. A laboratory course of five hours a week throughout the session, to be taken in connection with lecture course No. 10, which it will illustrate from the experimental side.

12. A laboratory course of twenty-five hours a week dealing with foods, digestion and nutrition.

13. A Seminary course, one hour a week, on recent advances in Physiology and Physiological Chemistry.

14. A lecture course in Elementary Physiology for Normal students, two hours a week throughout the session.

15. A lecture course of two hours a week in the Michaelmas Term on Elementary Physiological Chemistry and on Foods.

16. A laboratory course of six hours a week throughout the session in Physiological Chemistry and in the Analysis of Foods.

This course gives laboratory practice on the subjects discussed in lecture course No. 15.

Textbooks: — Halliburton, Handbook of Physiology; Halliburton, Essentials of Chemical Physiology: Cole, Exercises in Practical Physiology; Brubaker, Textbook of Physiology; Milroy and Milroy, Practical Physiological Chemistry.

Books of Reference:—Schäfer, Textbook of Physiology (2 volumes); Tingerstedt, Textbook of Physiology (translated by Murlin); Nagel, Handbuch der Physiologie (4 volumes); Mann, Methods and Theory in Physiological Histology; Hamburger, Osmotische Druck und Ionenlehre (3 volumes); Mann, Chemistry of the Proteids; Chittenden, Physio-

logical Economy in Nutrition; Pawlow, The Work of the Digestive Glands (translated by W. H. Thompson); Lusk, the Science of Nutrition; Starling, Recent Advances in the Physiology of Digestion; Sherrington, The Integrative Action of the Nervous System; Höber, Physkalische Chemie der Zelle und der Gewebe (2nd edition); Martin's Human Body; Howell, Textbook of Physiology.

CHEMISTRY.

W. R. LANG, D.Sc., F.I.C., F.C.S.....*Professor.*
W. L. MILLER, M.A., PH.D...*Associate Professor of Physical Chemistry.*
F. B. KENRICK, M.A., PH.D.....*Associate Professor.*
F. B. ALLAN, M.A., PH.D.....*Lecturer.*
R. B. STEWART, B.A.....*Fellow M.T.*
J. A. M. DAWSON, B.A.....*Assistant.*
T. B. ALLEN, B.A.....*Junior Assistant.*
R. J. MANNING, B.A.....*Junior Assistant.*
J. S. MACKEY, B.A.....*Junior Assistant.*
K. J. MCRAE, B.A.....*Junior Assistant.*
A. T. STUART.....*Junior Assistant, E.T.*

This subject forms part of the course of study required of students proceeding to degrees in Medicine and in the graduating departments in Arts numbered 9 to 14, inclusive, on page 118. That of Chemistry and Mineralogy, number 13, is designed for students who propose to become Works' Chemists, or Field Geologists, or to take up academic work or the study of Mining. Opportunity for carrying out original research is provided in the Fourth Year.

Students of the standing of the Fourth Year in Chemistry and Mineralogy, Division I., are accepted as candidates for the degree of B.A.Sc. Thus, students who have passed the Third Year examination may take their Fourth Year in the Faculty of Applied Science and Engineering and obtain the degree of B.A.Sc. Both degrees, B.A. and B.A.Sc. may be obtained in five years.

Lectures.

The following courses are provided:—

1. Elementary Chemistry: An introductory course in general chemistry with experimental illustrations. Two lectures a week during session.

2. Tutorial Class: The above class is divided into sections, which meet once a week for instruction in arithmetical chemistry. Home work involving simple calculations is prescribed.

3. Elementary Organic Chemistry: A course of experimental lectures on the systematic classification of the fatty hydrocarbons and their derivatives. A few lectures explanatory of the benzene theory and of

certain more common organic derivatives are included. Two lectures a week during session.

4. Organic Chemistry: The work in course 3 is reviewed and extended, fuller consideration being given to the isocyclic compounds.

5. Advanced Organic Chemistry: A course on heterocyclic compounds, synthetic methods and stereo-chemistry.

6. History of Chemistry: A short course of lectures commencing in January on the development of chemistry and chemical theory.

7. Elementary Physical Chemistry: An experimental course on the elements of chemical mechanics and electrochemistry. 50 lectures.

8. Elementary Electrochemistry: 25 lectures illustrated by experiments.

9. Physical Chemistry: Theory of solutions, with elementary applications of the calculus to physico-chemical problems. 50 Lectures.

10. Chemical equilibrium, chemical kinetics, and electrochemistry. 50 Lectures.

11. Advanced Physical Chemistry: The phase rule, and chemical thermodynamics. 65 Lectures.

12. Applied Chemistry.

In addition, special instruction will be given to the students of the departments of Chemistry, Geology and Mineralogy, and Physics, as occasion requires.

LABORATORY WORK.

13. Elementary quantitative chemistry.

14. Elementary quantitative chemistry (shorter course).

15. Elementary quantitative and qualitative analysis.

16. Quantitative and qualitative analysis.

17. Analysis of minerals and rocks.

18. Analysis, organic preparations and physico-chemical measurements.

19. Practical organic chemistry.

20. Physico-chemical measurements, and electro-chemistry.

21. Research work in general chemistry for advanced students.

22. Research work in physical chemistry for advanced students.

23. Applied chemistry.

24. A short course of physico-chemical measurements, including electrical conductivity, migration and freezing point of solutions.

25. Electrochemistry, to accompany lecture course 8.

Laboratory Regulations.

Each student proposing to attend lectures or practical work in the chemical laboratory must apply for a ticket which will have marked on it the number of his seat in the lecture room, of his hat rack, of his

working place in the laboratory and of his locker. This ticket will be given only to students presenting their registration ticket, and no working place in the laboratory will be allowed until a deposit of three dollars has been made. Each student will be held responsible for the seat, etc., allotted him, and no change will be made without the consent of the professor. At the close of the Easter Term this ticket must be presented for certificate of attendance.

Each student is provided with a suitable note-book in which to keep an account of the work done by him during the year. These books will be examined from time to time, and marks will be assigned. The student's standing in practical chemistry is based upon these marks, together with those assigned for the practical examinations of the term, and for written examinations on the work.

An account will be kept with each student; all apparatus broken or destroyed and all fines will be charged against his deposit, which must be renewed when exhausted.

The apparatus provided is intended for use in the laboratory only, and may not be removed from the building. At the close of the term's work it must be returned clean and dry.

GEOLOGY AND PALAEONTOLOGY.

A. P. COLEMAN, M.A., PH.D.....*Professor.*
W. A. PARKS, B.A., PH.D.....*Associate Professor.*

1. Elementary Geology: A course of twenty-five lectures is given weekly throughout the session. Works of reference: Scott, Introduction to Geology; Dana, Textbook of Geology.

2. Elementary Geology for Students of the General Course: A course of twenty-five lectures is given throughout the session. Works of reference: As in course No. 1.

3. Historical and Stratigraphical Geology and Palæontology: A course of fifty lectures is given throughout the session. Works of reference: Dana, Manual of Geology; Geikie, Textbook of Geology.

4. Illustrative practical course to accompany No. 3. A course of fifty hours in the use of maps and sections and the study of fossils typical of the different formations.

5. Dynamical and Structural Geology: A course of fifty lectures. Works of reference: Geikie, Geology; Dana, Geology; Prestwich, Geology.

6. Invertebrate Palæontology: A course of fifty lectures throughout the session. Works of reference: Eastman, Invertebrate Palæontology; Zittel, Textbook of Palæontology; Nicholson, Manual of Palæontology; Steinmann-Döderlein, Elemente der Palæontologie.

7. Invertebrate Palæontology: A course of seventy-five hours practical work. Works of reference: As in course No. 6: Palæontological Publications of the Geological Survey of Canada; Palæontology of the State of New York; Bulletins and Monographs of the Geological Survey of the United States.

8. Drawing and Cartography: A practical course of fifty hours in the Faculty of Applied Science.

9. Archæan, Glacial and Stratigraphical Geology and Physiography: A course of seventy-five hours throughout the session. Works of reference: Van Hise, Precambrian Geology; Geikie, Great Ice Age; Dana, Geology; Geikie, Textbook of Geology; Reports of the Geological Survey of Canada and of the Bureau of Mines of Ontario; Penck, Morphologie der Erdoberfläche; De Lapparent, Géographie Physique.

10. Geological Surveying and Cartography: A course of field work and practical work in drafting.

11. Economic Geology: A course of fifty lectures throughout the session. Works of reference: Kemp, The Ore Deposits of the United States and Canada; Tarr, Economic Geology of the United States; Beck, Die Erzlagerstätten; Phillips, Ore Deposits; Reports of the Geological Survey of Canada and of the Bureau of Mines of Ontario.

12. Meteorology: A course of twenty-five lectures in the Michaelmas Term. Works of reference: Davis, Elementary Meteorology; Hann, Klimotologie.

13. Vertebrate Palæontology: A course of twenty-five lectures. Works of reference: Woodward, Vertebrate Palæontology; Nicholson and Lydekker, Palæontology; Eastmann's Zittel's Palæontology.

14. Practical Palæontology. A course of seventy-five hours in practical palæontological problems. Works of reference: All publications in the Library of the Department, including the various monographs on special subjects and the palæontological reports of the different States and societies.

MINERALOGY AND PETROGRAPHY.

T. L. WALKER, M.A., PH.D.....*Professor.*
A. L. PARSONS, B.A.....*Lecturer.*
W. F. GREEN, B.A.....*Assistant.*

For students in the Faculty of Arts of the University of Toronto the following courses of lectures and demonstrations have been arranged:—

1. Elementary Mineralogy: A course of twenty-five lectures once a week throughout the year. Books of reference: Dana, Minerals and how to study them; Textbook of Mineralogy.

2. A short practical course illustrative of the above, involving twenty hours laboratory work. Books of reference: Same as for course 1.

3. Morphological Crystallography: A course of twenty-five lectures once a week throughout the year: Books of reference: Baumhauer, Das Reich der Krystalle; Williams, Crystallography.

4. Blowpipe Analysis: A laboratory course of three hours a week throughout the year. Book of reference: Brush-Penfield, Blowpipe Analysis.

5. Determinative Mineralogy: A laboratory course in continuation of course 4. Four hours a week throughout the year. Book of reference: Brush-Penfield, Blowpipe Analysis.

6. Physical Mineralogy: A course of fifty hours lectures and laboratory work, introducing the student to optical and physical crystallography as a preparation for the study of microscopic petrography. Books of reference: Dana, Textbook of Mineralogy; Groth, Physikalische Krystallographie.

7. Practical Crystallography, including goniometric measurements, crystal drawing, projection and calculation with experiments in physical mineralogy. One day a week during the Michaelmas Term.

8. Systematic Mineralogy: A course of fifty hours lectures and laboratory work, being a continuation of courses I. and II. Books of reference: Dana, Textbook of Mineralogy; Eakle, Mineral Tables.

9. General Mineralogy: Twenty-five lectures on special subjects to be selected from year to year. Books of reference: Kobell, Geschichte der Mineralogie; Fouqué et Michel-Lévy, Synthèse des Minéraux et des Roches.

10. General Mineralogy: Practical course of seven hours a week throughout the year.

11. Petrography: Weekly lectures throughout the session. Books of reference: Kemp, Handbook of Rocks; Harker, Petrology for Students.

12. Petrography: Three hours a week devoted to practical petrography both macroscopic and microscopic. Books of reference: Rosenbusch, Tables for the Determination of Minerals; Rosenbusch-Iddings, Microscopic Physiography; Luquer, Minerals in Rock Sections; Reinisch, Petrographisches Praktikum.

13. Assaying: Laboratory work in the different branches of the subject, occupying four hours a week throughout the session.

The work in Mineralogy is carried on in the new Mineralogical Laboratories in the Chemistry and Mineralogy Building.

HOUSEHOLD SCIENCE.

1. Elementary Household Science: A course of lectures one hour a week throughout the session.

2. Elementary Food and Nutrition: A course of two hours lecture and four hours laboratory work a week throughout the session. The lectures include a general study of food, and its use in relation to the human body. The scientific principles of combustion are discussed and applied in connection with the use of coal and gas ranges. The laboratory work investigates the effect of various temperatures, fermentation, etc., on food materials and applies the knowledge gained to the preparation of foods in easily digested forms.

3. Food and Nutrition: A course of two hours lecture and five hours laboratory work a week through the session. This is a continuation of course 2.

4. Household Management: A course of two hours a week throughout the session. It includes lecture and laboratory work and deals with the planning and care of various rooms of the house, also their furnishings.

5. Household Management: A course of three hours a week throughout the session. In this course emphasis is laid upon the economic aspect of the subject. Instruction is also given in the care and management of the sick room and in immediate treatment of everyday injuries.

6. Nutrition and Dietetics: A lecture course of two hours a week throughout the session. Foods are studied with regard to their nutritive value, also nutrition in general. Methods of investigating the kind and amount of food required by man, also the relation of food to health, necessity for variety, effects of climate, age, and occupation on diet, dietetic treatment of nutrition disorders, and the construction of dietaries are topics discussed.

7. An advanced laboratory course of six hours a week throughout the session. This course elaborates and applies the fundamental principles gained in Courses 2 and 3. It includes practice in marketing and in preparing and serving meals for the day, also elaborate meals and special diets. Each student is given the opportunity to investigate special problems bearing on her work.

8. A course for Normal students in the theory and practice of teaching household science and in planning courses for children and adults of different ages and conditions.

9. An elementary course in Carbohydrate Foods for occasional students. This course includes a study of the principles of combustion which are applied in the use of coal and gas ranges. The scientific principles underlying the preparation of carbohydrate foods are applied in the cooking of vegetables, cream soups, cereals, fruits, batters and doughs (muffins, cake, bread, etc.). Beverages are also prepared.

Two and a half hours a week for one term.

10. An advanced course in Carbohydrate Foods for occasional students. This course consists of more elaborate and richer preparations of the food materials studied in Course 9, including canning and preserving, pastry, fancy breads and cakes, icings, etc.

Three hours a week for one term. Prerequisite Course 9.

11. An elementary course in Protein Foods for occasional students. Foods containing protein,—as, meat, poultry, fish, eggs, milk, cheese,—are studied. The practical work also includes the making of salads and frozen mixtures.

Two and a half hours a week for one term.

12. An advanced course in Protein Foods for occasional students. This course elaborates and applies the fundamental principles gained in Course 11. It includes the preparation of entrées, shell fish, poultry, fancy gelatine dishes, frozen desserts, etc.

Three hours a week for one term. Prerequisite Course 11.

13. A course for occasional students in the planning, preparation and serving of simple meals. Special emphasis is laid on the cost and nutritive value of food materials used.

Three hours a week for one term. Prerequisite Courses 9 and 11.

14. A course in Invalid Cookery for occasional students. These lessons are especially arranged for those who have the care of the sick. They include a theoretical and practical knowledge of foods, their preparation and adaptability to patients.

Two and a half hours a week for one term.

15. A course in Home Nursing and Emergencies for occasional students. This course gives instruction in the home care of the sick, where a trained nurse is not required. The care and disinfection of sick rooms, making of bed, bathing patient, administering food and medicine, making of poultices, immediate treatment of every day injuries and minor accidents, and how to put on simple bandages, are some of the topics studied.

Two and a half hours a week for one term.

16. Household Management a: This course is for occasional students and provides instruction in the care of the various rooms of the house and in the serving of breakfast, luncheon and dinner.

Two hours a week for one term.

17. Household Management b: This course is for occasional students and gives theoretical and practical instruction in laundry-work. Scientific principles are applied in the use of chemicals as cleansing agents, and in the removal of stains.

Two and a half hours a week for one term.

For the year 1907-1908 the lectures and practical instruction in this subject will be given in the Lillian Massey School Building.

Laboratory deposit fee: a deposit of two dollars ($2.00) is required of each student taking Courses 2, 3, or 7. This amount minus the cost of equipment and apparatus destroyed, will be returned at the end of the year.

Books of reference: Hutchison, Food and Dietetics; Thompson, Practical Dietetics; Armsby, Principles of Animal Nutrition; Chittenden, Physiological Economy in Nutrition; Lusk, Science of Nutrition; Richards, Chemistry of Cooking and Cleaning; Campbell, Household Economics; Richards, The Cost of Living; Holt, the Care and Feeding of Children; Clark, the Care of a House.

RELIGIOUS KNOWLEDGE.

REV. JAMES BALLANTYNE, B.A., D.D.....Knox College.
REV. G. J. BLEWETT, B.A., PH.D.....Victoria College.
REV. JOHN BURWASH, D.SC., LL.D.....Victoria College.
REV. H. J. CODY, M.A., D.D., LL.D.....Wycliffe College.
REV. T. H. COTTON, M.A.....Wycliffe College.
REV. H. T. F. DUCKWORTH, M.A.....Trinity College.
REV. T. H. HUNT, M.A., D.D.....Trinity College.
REV. A. W. JENKS, M.A., B.D.....Trinity College.
REV. H. A. A. KENNEDY, M.A., D.SC.....Knox College.
REV. J. E. MCFAYDEN, M.A., B.D.....Knox College.
REV. T. C. S. MACKLEM, M.A., D.D., LL.D.....Trinity College.
REV. J. F. MCLAUGHLIN, M.A., B.D.....Victoria College.
REV. PRINCIPAL O'MEARA.....Wycliffe College.
REV. A. H. REYNAR, M.A., LL.D.....Victoria College.
REV. J. D. ROBERTSON, M.A., D.SC.....Knox College.
REV. N. ROCHE, C.S.B.....St. Michael's College.
REV. DEAN WALLACE, M.A., D.D.....Victoria College.

1. BIBLICAL LITERATURE.—All Years.

(*a*) A first course of two hours a week throughout the year, on a portion of the English Bible.

(*b*) A second course of two hours a week throughout the year, on a portion of the English Bible.

(*c*) A third course of two hours a week throughout the year, on a portion of the English Bible.

(*d*) A fourth course of two hours a week throughout the year, on a portion of the English Bible.

(*e*) The Greek Testament, a course of not less than two hours a week throughout the year.

(*f*) A second course in the Greek Testament of not less than two hours a week throughout the year.

(*g*) New Testament Introduction, a course of not less than two hours a week throughout the year.

(*h*) Old Testament Introduction, a course of not less than two hours a week throughout the year.

2. CHURCH HISTORY.—The Second, Third and Fourth Years.

(*a*) The History of the Christian Church. A first course of not less than two hours a week throughout the year.

(*b*) The History of the Christian Church. A second course of not less than two hours a week throughout the year.

3. THE EVIDENCES OF NATURAL AND REVEALED RELIGION.—First, Third and Fourth Years.

(*a*) An elementary course in Natural Theology of not less than two hours a week throughout the year.

(*b*) Apologetics, a course on the Evidences of the Christian Religion, or on Christian Doctrine, of not less than one hour a week throughout the year.

(*c*) The Philosophical Basis of Theism, a course of not less than one hour a week throughout the year.

4. CHRISTIAN ETHICS.—Fourth Year.

(*a*) A course of not less than one hour a week throughout the year, on the principles of Christian Ethics.

No Religious Knowledge option can be offered by any one student in lieu of more than one other subject.

The same Religious Knowledge option cannot be credited to a student more than once in his course.

NOTE.—One subject in the Department of Religious Knowledge may be taken in the First Year, one in the Second, two in the Third, and three in the Fourth, but not more than six in all.

WORLD HISTORY.

Under the above heading it is proposed to offer during the session of 1907-8 three courses of Lectures to be devoted to an elementary exposition of the physical history of the earth, of the succession of forms of animal and vegetable life thereon, of Anthropology and Ethnography, and of the history of civilisation.

1. The first course aims at showing the connection between the sciences of Astronomy, Geology, Biology and Anthropology.

2. The second will deal with the elements of Ethnology; primitive arts and crafts; the history of cultivated plants and domesticated animals; the eastern civilisations and the early history of the Mediterranean nations; the history of writing, etc.

3. The third will be devoted to various aspects of the history of civilisation.

Several members of the Staff will collaborate in these courses.

PRESCRIPTION FOR COURSES.

The courses leading to the degree of Bachelor of Arts are the General Course and the following Honour Courses:—

1. Classics.
2. Greek and Hebrew.
3. Semitic Languages.
4. Modern Languages.
5. English and History.
6. Modern History.
7. Political Science.
8. Philosophy.
9. Mathematics and Physics.
10. Physics.
11. Biological and Physical Sciences.
12. Biology.
13. Chemistry and Mineralogy.
14. Geology and Mineralogy.
15. Household Science.

The requirements for each of these courses are detailed in the following schedules, where the numerals refer to the corresponding numbers of the courses on the pages indicated.

GENERAL COURSE.

Students who have completed the First Year without Hebrew will be allowed to substitute, for one of the language options of the Second, Third and Fourth Years, Hebrew of the First, Second and Third Years.

First Year.

Latin 1, p. 155.
English 1a, 1b, p. 159.
Any two. { Greek 1, p. 153. / Hebrew 1a, p. 158. / German 1a, p. 162. / French 1a, 1b, p. 164. / Spanish 1a, p. 166. }
Greek and Roman History, 1, p. 157.
Mathematics 1, 4, p. 182.
Mathematics 6, p. 182; *or*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.
Mechanics 1, p. 185; *and*
Physics 1, 2, p. 185; *or*
Biology 1, p. 188.

Second Year.

Latin 3, p. 155.
English 2a, 2b, p. 160.
Any two. { Greek 3, 5, p. 153. / Hebrew 2a, p. 158. / German 2a, p. 162. / French 2a, p. 164. / Spanish 2a, p. 166. }
History 1, p. 167; *or*
Religious Knowledge 1b; *or* 2a, *or* 2b, pp. 201, 202.
History of Philosophy 1, p. 179.
Psychology 1, p. 179.
Logic 1, p. 180; *or*
Chemistry 1, 2, p. 194; *or*
Geology 2, p. 196.

Third Year.

Any two.

- Latin 9, 10, p. 155.
- English 3a, 3b, p. 160.
- Greek 9, 11, p. 154; *or* Religious Knowledge 1e, p. 201.
- Hebrew 3a, 3b, p. 158.
- German 3a, p. 162.
- French 3a, p. 164.
- Spanish 3a, 3b, p. 167.

- History 3, 5, pp. 168, 169.
- Ethics 1, p. 181.
- English Constitutional History 1, p. 174; *or* Religious Knowledge 1c; *or* 1e; *or* 1g; *or* 1h; *or* 2a; *or* 2b, pp. 201, 202.
- Physics 6, p. 186; *or* Religious Knowledge 2b, *or* 3b, p. 202.

Fourth Year.

Any two.

- Latin 9, 10, p. 155.
- English 4a, 4b, p. 160.
- Greek 9, 11, p. 154; *or* Religious Knowledge 1f, p. 201.
- Hebrew 4a, 4b, p. 158.
- German 4a, p. 163.
- French 4a, p. 165.
- Spanish 4a, 4b, p. 167.
- History 4, 5, pp. 168, 169; *or* Religious Knowledge 1d, *or* 2a, *or* 2b, pp. 201, 202.

- Economics 1b, 2, p. 172.
- Constitutional Law and History 4, p. 175.
- Ethics 3, p. 181, *or* Religious Knowledge 3c, *or* 4a, p. 202.
- Mathematics 18, p. 183; *or* Religious Knowledge 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, pp. 201, 202.

NOTE:—Candidates of the Fourth Year, who have not passed in the Latin of the Third Year, will be required at the B.A. Examination of 1908 to take an additional paper in the work of courses 11 and 12.

HONOUR COURSES.

I. Classics.

First Year.

- English 1a, 1b, p. 159.
- Hebrew 1a, p. 158; *or*
- German 1a, p. 162; *or*
- French 1a, 1b, p. 164.
- Mathematics 1, 4, p. 182.
- Mathematics 6, p. 182; *or*
- Religious Knowledge 1a, *or* 3a, p. 201, 202.
- Mechanics 1, p. 185; *and*
- Physics 1, 2, p. 185; *or*
- Biology 1, p. 188.
- *Greek 2, 3, 4, p. 153.
- *Latin 2, p. 155.
- *Greek and Roman History 1, p. 157.

Second Year.

Hebrew 2a, p. 158; *or*
History 1, p. 167; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202.
Logic 1, p. 180.
Psychology 1, p. 179.
*Greek 6, 7, 8, 9, 10, p. 154.
*Latin 4, 5, 6, 7, 8, p. 155.
*Greek and Roman History 2, 3, p. 157.

Third Year.

English 3b, p. 160; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, pp. 201, 202.
*Greek 12, 13, 14, p. 154.
*Latin 13, 14, 15, p. 156.
*Greek and Roman History 4, 5, p. 157.

Fourth Year.

Greek 23, p. 154; *and*
Latin 22, p. 156; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*Greek 15, 17, 18, 19, p. 154.
*Latin 16, 17, 18, 19, 20, p. 156.
*Greek 16, p. 154; *or*
*Latin 21, p. 156.
*Greek and Roman History 6, 7, 8, p. 157.

The arrangement of the examination papers is as follows:—

FIRST YEAR: Greek grammar and translation at sight; Greek Prose; Homer and Herodotus; Euripides and Plato; Greek and Roman History; Latin grammar and translation at sight; Latin Prose; Virgil and Cicero (Philippic II.); Horace and Cicero (Pro Milone and Pro Murena).

SECOND YEAR: Greek grammar and translation at sight; Greek Prose; Sophocles (Antigone) and Plato; Aristophanes (Birds), Homer and Thucydides; Greek and Roman History; Latin grammar and translation at sight; Latin Prose; Livy and Tacitus; Virgil, Horace and Catullus.

THIRD YEAR: Grammar and Philology; Greek Prose; Plato; Aristotle; Æschylus, Pindar and Homer; Sophocles and Aristophanes; Greek History and Ethics and Roman History; Greek and Latin translation at sight; Latin Prose; Roman Satire; Virgil, Plautus and Terence; Tacitus and Cicero.

FOURTH YEAR: Greek Prose; Greek translation at sight; Plato and Aristotle's Ethics; Thucydides, Herodotus and Demosthenes; Æschylus, Aristophanes and Theocritus; Aristotle's Poetics and general questions on Greek History;

Aristotle's Politics II. and general questions on Greek Philosophy; Aristotle's Politics IV. and V. *or* Comparative Syntax; Latin Prose; Latin translation at sight; Virgil, Tibullus and Propertius; Cicero (De Finibus and Academica) and Lucretius; Tacitus and questions on the History of the Principate; Cicero, Sallust and Cæsar, questions on the History of the Period; Roman Institutions and general questions on Roman History.

The Education Department of Ontario grants non-professional qualification for specialist certificate in Classics to the graduate in Classics who, having obtained honours in the First, Second and Third Years, was awarded second class honours (*i.e.*, at least 66 per cent.) in the Fourth Year.

II. Greek and Hebrew.

First Year.

Latin 1, p. 155.
English 1a, 1b, p. 159.
German 1a, p. 162; *or*
French 1a, 1b, p. 164.
Mathematics 1, 4, p. 182.
Mathematics 6, p. 182; *or*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.
Mechanics 1, p. 185; *and*
Physics 1, 2, p. 185; *or*
Biology 1, p. 188.
*Greek 2, 3 (Plato only), 4, p. 153.
*Semitic Languages 1a, p. 158.
*Greek and Roman History 1, p. 157.

Second Year.

Latin 3, p. 155.
English 2a, 2b, p. 160.
German 2a, p. 162; *or*
French 2a, p. 164; *or*
History 1, p. 167; *or*
Psychology 1, p. 179; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202.
*Greek 7, 8, 9, 10 (sight only), p. 154.
*Semitic Languages 2a, 2b, p. 158.
*Greek and Roman History 2 (omitting Grote), p. 157.

Third Year.

Latin 9, 10, p. 155; *or*
History 3, 5, pp. 168, 169.
English 3a, 3b, p. 160.
Ethics 1, p. 181; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, pp. 201, 202.
*Greek 12 (Aristotle, History of Ethics and Homer), 14 (Plato), 21, p. 154.
*Semitic Languages 2d, 3b, 3c, 3g, 4e, p. 158.

**Honours.*

Fourth Year.

Latin 9, 10, p. 155; *or*
History 7, p. 171.
English 4a, 4b, 160; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202; *or*
Ethics 3, p. 181.
*Greek 15 (Plato and History of Greek Philosophy), 19 (Æschylus, 21, p. 154.
*Semitic Languages 3g, 4b, 4c, 4e, p. 158.

III. Semitic Languages.

First Year.

Latin 1, p. 155.
Hebrew 1a, p. 158.
English 1a, 1b, p. 159.
Greek 1, p. 153; *or*
German 1a, p. 162; *or*
French 1a, 1b, p. 164.
Greek and Roman History 1, p. 157.
Mathematics 1, 4, p. 182.
Mathematics 6, p. 182; *or*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.
Mechanics 1, p. 185; *and*
Physics 1, 2, p. 185; *or*
Biology 1, p. 188.

Second Year.

English 2a, 2b, p. 160; *or*
History 1, p. 167; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202; *or*
Logic 1, p. 180.
Psychology 1, p. 179.

Any two.
- Greek 3, 5, p. 153.
- Latin 3, p. 155.
- German 2a, p. 162.
- French 2a, p. 164.

*Semitic Languages 2a, 2b, 2c, 2d, 2e, p. 158.

Third Year.

English 3b, p. 160.
Greek 9, 11, p. 154; *or*
Religious Knowledge 1e, p. 201; *or*
Latin 9, 10, p. 155; *or*
German 3a, p. 162; *or*
French 3a, p. 164.
Ethics 1, p. 181; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, pp. 201, 202.
*Semitic Languages 2d, 3b, 3c, 3d, 3f, 3g, 3h, 4e, p. 158.

Fourth Year.

English 4b, p. 160.
Greek 9, 11, p. 154; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202; *or*
Latin 9, 10, p. 155; *or*
German 4a, p. 163; *or*
French 4a, p. 165.
*Semitic Languages 3f, 3g, 4b, 4c, 4d, 4e, 4g, p. 158.

**Honours.*

Every candidate in this course shall, during the Fourth Year, present a dissertation on some subject connected with Semitic Languages or Literature, such subject to be previously approved by his instructors in the department. The essay will, on or before the 1st of April in each year, be laid before the instructors in Semitic Languages in University College, Victoria College and Trinity College, who will examine it and assign to it marks according to their judgment of its merit. Such marks will be reported to the Registrar and be taken into account by the examiners in determining the standing of the candidate at the examination of the Fourth Year.

IV. Modern Languages.

In determining the standing of candidates in English, French, German, Italian and Spanish, examiners will take into account the report of the instructors in the University and Colleges in these subjects.

Every candidate for honours in this department shall, during the Fourth Year of his course, write an essay on some theme connected with the work of a major course in his department, such subject to be previously approved by the instructors in the branch of study selected. This essay shall, on or before the 15th of April in each year, be sent to the Registrar to be laid before the professors and lecturers in the department in the University of Toronto, University College, Victoria College and Trinity College, who will examine the essay and assign marks according to their judgment of its merit. These remarks will be reported to the Registrar, and be taken into account by the examiners in determining the standing of the candidate at the examination of the Fourth Year.

Division I.—Teutonic Languages.

First Year.

Latin 1, p. 155.
Mathematics 1, 4, 6, p. 182; *or*
Biology 1, p. 188; *or*
Mathematics 1, 4, p. 182; *and*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.

*English 1a, 1b, 1c, p. 159.
*German 1b, p. 162.
*French 1c, p. 164.
*Italian 1a, p. 165; *or*
*Spanish 1a, p. 166.
*Phonetics 1, p. 167.

Second Year.

Latin 3, p. 155.
Geology 2, p. 196; *or*
World History 1, p. 202; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, p. 201, 202.

*English 2a, 2b, 2c, p. 160.
*German 2b, 2c, p. 162.
*French 2b, 2c, p. 164.
*Italian 2a, p. 165; *or*
*Spanish 2a, p. 166.

**Honours.*

Third Year.

Latin 10, p. 155.
History 3, 5, pp. 168, 169.
Physics 6, p. 186; *or*
World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, pp. 201, 202.

*English 3a, 3b, 3d, p. 160.
*German 3b, 3c, p. 163.
*French 3b, p. 164; *or*
*Italian 3a, 3b, p. 166; *or*
*Spanish 3a, 3b, p. 167.

Fourth Year.

History 4, 5, pp. 168, 169; *or*
World History 3, p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.

*English 4a, 4b, 4c, 4e, 4f, pp. 160-162.
*German 4b, 4c, 4d, p. 163.
*French 4b, p. 165; *or*
*Italian 4a, 4b, p. 166; *or*
*Spanish 4a, 4b, p. 167.

Division II.—Romance Languages.

First Year.

Latin 1, p. 155.
Mathematics 1, 4, 6, p. 182; *or*
Biology 1, p. 188; *or*
Mathematics, 1, 4, p. 182; *and*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.

*English 1a, 1b, 1c, p. 159.
*German 1b, p. 162.
*French 1c, p. 164.
*Italian 1a, p. 165; *or*
*Spanish 1a, p. 166.
*Phonetics 1, p. 167.

Second Year.

Latin 3, p. 155.
Geology 2, p. 196; *or*
World History 1, p. 202; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202.

*English 2a, 2b, p. 160.
*German 2b, 2c, p. 162.
*French 2b, 2c, p. 164.
*Italian 2a, 2b, pp. 165, 166; *or*
*Spanish 2a, 2b, p. 166.

Third Year.

Latin 10, p. 155.
History 3, 5, pp. 168, 169.
Physics 6, p. 186; *or*
World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, pp. 201, 202.

*English 3a, 3b, p. 160; *or*
*German 3b, p. 163.
*French 3b, 3c, 3d, pp. 164, 165.
*Italian 3a, 3b, 3c, 3d, p. 166; *or*
*Spanish 3a, 3b, 3c, 3d, p. 167.

***Honours.**

Fourth Year.

History 4, 5, pp. 168, 169; *or*
World History 3, p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*English 4a, 4b, p. 160; *or*
*German 4b, p. 163.
*French 4b, 4c, 4d, p. 165.
*Italian 4a, 4b, 4c, 4d, p. 166; *or*
*Spanish 4a, 4b, 4c, 4d, p. 167.

The Education Department of Ontario grants non-professional qualification for specialist certificate in Modern Languages and History to the graduate in Teutonic Languages or Romance Languages who, having obtained honours in the First, Second and Third Years, was awarded second class honours (*i.e.*, at least 66 per cent. in the Fourth Year, provided the candidate has obtained honour standing in the English, with the exception of the Old English of the Fourth Year, and German of Teutonic Languages, and in the French of Romance Languages, throughout his course, as well as pass standing in Mathematics 1, 4, History 1, and Chemistry 1, 2, *or* Geology 2.

The Education Department of Ontario grants non-professional qualification for specialist certificate in French and German to the graduate in Teutonic Languages or Romance Languages who, having obtained honours in the First, Second and Third Years, was awarded second class honours (*i.e.*, at least 66 per cent.) in the Fourth Year, provided the candidate has obtained honour standing in the French of Romance Languages and in the German of Teutonic Languages throughout his course, that he has written his Fourth Year essay on some theme in French or German literature or philology in the French or German Language, and has obtained standing in Mathematics 1, 4, History 1, and Chemistry 1, 2, *or* Geology 2.

V. English and History.

Classical Option.

First Year.

Hebrew 1a, p. 158; *or*
German 1a, p. 162; *or*
French 1a, 1b, p. 164; *or*
Spanish 1a, p. 166.
Mathematics 1, 4, p. 182.
Mathematics 6, p. 182; *or*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.
Mechanics 1, p. 185; *and*
Physics 1, 2, p. 185; *or*
Biology 1, p. 188.
*Greek 2, 4, p. 153.
*Latin 2, p. 155.
*Greek and Roman History 1, p. 157.
*English 1a, 1b, 1c, p. 159.

**Honours.*

Second Year.

Hebrew 2a, p. 158; *or*
German 2a, p. 162; *or*
French 2a, p. 164; *or*
Spanish 2a, p. 166.
Psychology 1, p. 179; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202.
*Greek 7, 9, 10, p. 154.
*Latin 5, 6, 8, p. 155.
*English 2a, 2b, 2c, p. 160.
*History 2, 5, pp. 168, 169.

Third Year.

Greek 12 (History of Greek Ethics), p. 154; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3b, pp. 201, 202.
*Greek 14, p. 154.
*Latin 15, p. 156.
*Greek and Roman History 4, 5, p. 157.
*English 3a, 3b, 3c, 3d, p. 160.
*History 3, 5, pp. 168, 169.

Fourth Year.

Fustel de Coulanges, La Cité antique, *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*Greek 19, p. 154.
*Latin 19, 20, p. 156.
*English 4a, 4b, 4c, 4d, 4e, 4f, pp. 160-162.
*History 4, 5, pp. 168, 169.

The Education Department of Ontario grants non-professional qualification for specialist certificate in English and History to the graduate in English and History who, having obtained honours in the First, Second and Third Years, was awarded second class honours (*i.e.*, at least 66 per cent.) in the Fourth Year.

English and History.

Moderns Option.

First Year.

Latin 1, p. 155.
Mathematics 1, 4, p. 182.
Mathematics 6, p. 182; *or*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.
Mechanics 1, p. 185; *and*
Physics 1, 2, p. 185; *or*
Biology 1, p. 188.
*Greek and Roman History 1, p. 157.
*English 1a, 1b, 1c, p. 159.
*German 1b, p. 162.
*French 1c, p. 164.

**Honours.*

Second Year.

Latin 3, p. 155.
Psychology 1, p. 179; *or*
World History 1, p. 202; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202.
*English 2a, 2b, 2c, p. 160.
*German 2b, 2c, p. 162.
*French 2b, 2c, p. 164.
*History 2, 5, pp. 168, 169.

Third Year.

World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, pp. 201, 202.
*English 3a, 3b, 3c, 3d, p. 160.
*German 3b, p. 163.
*French 3b, p. 164.
*History 3, 5, pp. 168, 169.

Fourth Year.

World History 3, p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*English 4a, 4b, 4c, 4d, 4e, 4f, pp. 160-162.
*German 4b, p. 163.
*French 4b, p. 165.
*History 4, 5, pp. 168, 169.

The Education Department of Ontario grants non-professional qualification for specialist certificate in English and History to the graduate in English and History who, having obtained honours in the First, Second and Third Years, was awarded second class honours (*i.e.*, at least 66 per cent.) in the Fourth Year.

Modern History and Political Science.

Students who at the outset of their course have determined to enter one of the above named honour departments are recommended to take the First Year course prescribed below. It is possible, however, to transfer from any other honour course into either of these departments at the beginning of the Second Year, or from the General Course, provided the candidate has obtained second class in General Proficiency.

First Year.

Any two.
- Latin 1, p. 155.
- Greek 1, p. 153.
- Hebrew 1a, p. 158.
- German 1a, p. 162.
- French 1a, 1b, p. 164.
- Spanish 1a, p. 166.

Mathematics 1, 4, 6, p. 182.
Mechanics 1, p. 185; *and*
Physics 1, 2, p. 185; *or*
Biology 1, p. 188; *or*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.
*English 1a, 1b, 1c, p. 159.
*Greek and Roman History 1, p. 157.
and either
*Latin 2, p. 155, insd. of 1; *or*
*Greek 2, 4, p. 153, insd. of 1; *or*
*French 1c, p. 164, insd. of 1a, 1b; *or*
*German 1b, p. 162, insd. of 1a,

**Honours.*

VI. Modern History.

Second Year.

Any two.
- Latin 3, p. 155.
- Greek 3, 5, p. 153.
- Hebrew 2a, p. 158.
- German 2a, p. 162.
- French 2a, p. 164.
- Spanish 2a, p. 166.

World History 1, p. 202; *or* Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202.

*English 2a, 2b, p. 160.

*Latin 4, 5, 6, 7, 8, p. 155, instead of Latin 3; *or*

*Greek 6, 7, 8, 9, 10, p. 154. instead of Greek 3, 5; *or*

*French 2b, 2c, p. 164, instead of 2a; *or*

*German 2b, 2c, p. 162, instead of German 2a.

*Political Economy 1a, 1b, 2, p. 172.

Greek and Roman History 3, p. 157.

*History 2, 5, pp. 168, 169.

*Constitutional Law and History 2, p. 175.

Third Year.

World History 2, p. 202; *or* Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, pp. 201, 202.

*Roman History 5, p. 157.

*Constitutional Law and History 3, 7, 8, pp. 175, 176.

*History 3, 5, 6, 7, pp. 168-171.

*English 3a, 3b, p. 160.

Fourth Year.

World History 3, p. 202; *or* Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.

Economics 1b, 4a, pp. 172, 173.

*English 4a, 4b, pp. 160, 161.

*History 4, 5, 6, 7, p. 168-171.

*Constitutional Law and History 4, 5, p. 175.

VII. Political Science.

Second Year.

Any two.
- Latin 3, p. 155.
- English 2a, 2b, p. 160.
- Greek 3, 5, p. 153.
- Hebrew 2a, p. 158.
- German 2a, p. 162.
- French 2a, p. 164.
- Spanish 2a, p. 166.

Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202; *or* World History 1, p. 202; *or*

Logic 1, p. 180.

Psychology 1, p. 179.

*Greek and Roman History 3, p. 157.

*History 2, 5, pp. 168, 169.

*Economics 1a, 1b, 2, p. 172.

*Constitutional Law and History 2 p. 175.

*Mathematics 32, p. 184.

**Honours.*

Third Year.

English 3a, 3b, p. 160.
Ethics 1, p. 181.
World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, pp. 201, 202.
*History 3, 5, pp. 168, 169.
*Economics 1a, 1b, 3a, 3b, 3c, pp. 172, 173.
*Constitutional Law and History 3, 7, 8, pp 175, 176.
*Law 1, 2, pp. 176, 177.

Fourth Year.

English 4b, p. 160; *or*
World History 3 p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*History 4, 5, pp. 168, 169.
*Economics 1a, 1b, 4a, 4b, 4c, 4d, 5, 6, pp. 172-174.
*Constitutional Law and History 4, 5, 6, pp. 175, 176.
*Law 3, p. 177.

VIII. Philosophy.

Candidates for honours in this department are recommended to take Greek and German as the optional languages in the First and Second Years in order to secure a time table which will enable students to attend lectures in the languages of greatest value to them in their course.

First Year.

Latin 1, p. 155.
English 1a, 1b, p. 159.
Any two.
- Greek 1, p. 153.
- German 1a, p. 162.
- French 1a, 1b, p. 164.
- Hebrew 1a, p. 158.

Greek and Roman History 1, p. 157.
Mathematics 1, 4, p. 182.
Mathematics 6, p. 182; *or*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.
Mechanics 1, p. 185; *and*
Physics 1, 2, p. 185; *or*
Biology 1, p. 188.

Second Year.

Any two.
- Greek 3, 5, p. 153.
- Latin 3, p. 155.
- German 2a, p. 162.
- French 2a, p. 164.
- Hebrew 2a, p. 158.

English 2a, 2b, p. 160; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202.
Physics 5, p. 186.
*History of Philosophy 1, p. 179.
*Psychology 1, 2, p. 179.
*Logic 1, 2, p. 180.
*Metaphysics 1, p. 180.

**Honours.*

Third Year.

English 3a, 3b, p. 160; *or*
Hebrew 3a, 3b, p. 158; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3b, pp. 201, 202.
Economics 3a, p. 172.
*History of Philosophy 2, p. 179.
*Psychology 3, 4, p. 179.
*Logic 3, p. 180.
*Metaphysics 2, p. 181.
*Ethics 2, p. 181.

Fourth Year.

English 4b, p. 160; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*History of Philosophy 3, p. 179.
*Psychology 5, p. 180.
*Logic 4, p. 180.
*Metaphysics 3, 4, p. 181.
*Ethics 4, p. 181.

Candidates from St Michael's College may substitute Lorimer's Institutes of Law for Metaphysics 3b; and also Aristotle's Ethics, Books I.-IV. in the original, and one of Plato's Dialogues in the original for Psychology 5.

IX. Mathematics and Physics.

First Year.

Greek 1, p. 153; *or*
Latin 1, p. 155.
English 1a, p. 159.
English 1b, p. 159; *or*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.
German 1a, p. 162; *or*
French 1a, 1b, p. 164.
*Mathematics 8, 9, 10, 11, 32, p. 182, 184.
*Mechanics 1, p. 185.
*Physics 1, 2, 3, p. 185.
*Chemistry 1, 14, pp. 194, 195.

Second Year.

English 2b, p. 160; *or*
Religious Knowledge 1b, *or* 2a, pp. 201, 202; *or*
World History 1, p. 202.
*Mathematics 13, 14, 15, 16 *or* 33, pp. 183, 184.
*Mechanics 2, p. 185.
*Physics 4, 5, 6, 7, pp. 185, 186.

Third Year.

World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3b, pp. 201, 202.
*Mathematics 17, *or* 21, p. 183.
*Mathematics 34, p. 184; *or*
*Physics 10, p. 186.
*Mechanics 3, 4, 5, p. 185.
*Physics 9a, 11, 12, 13, p. 186.
*Chemistry 7, 24, p. 195.

**Honours.*

Fourth Year.

World History 3, p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*Mathematics 19, 22, 23, 24, and any two of 25, 26, 27, 28, 29, 30, 31, and 35 *or* 36, pp. 183, 184; *or*
*Mechanics 7, p. 185; *and*
*Physics 14, 15, 17, 18, 19, 20, 21, pp. 186, 187; *or*
Astronomy and Physics.
*Mathematics 18, 19, 20, 22, p. 183.
*Mechanics 6, 7, p. 185.
*Physics 15, 16, p. 186.

The Education Department of Ontario grants non-professional qualification for specialist certificate in Mathematics and Physics to the graduate in Mathematics and Physics who, having obtained honours in the First, Second and Third Years, was awarded second class honours (*i.e.*, at least 66 per cent.) in the Fourth Year.

Students in Mathematics and Physics will take Chemistry in their Third Year at the examinations of 1908 and 1909; afterwards in their First Year.

Natural and Physical Sciences.

The following Graduating Departments, X.-XIV. inclusive, constitute the group of the Natural and Physical Sciences. The work prescribed for the First Year in these is identical, so that a candidate may postpone his selection of the Department in which he proposes to graduate to the beginning of the Second Year.

The Education Department of Ontario grants non-professional qualification for specialist certificate in Science to the graduate in any department of the Natural and Physical Sciences who, having obtained honours in the First, Second and Third Years, was awarded second class honours (*i.e.*, at least 66 per cent.) in the Fourth Year, provided the candidate has obtained honour standing in the following subjects, viz.:—

Biology 1, 2, 3, 4, 5, 8, 9.
Chemistry 1, 2, 3, 7, 13, 15.
Geology 1, 3, 4.
Mineralogy 1, 4.
Mechanics 1.
Physics 1, 2, 3, 4, 5, 6, 7.

and, in addition, has obtained pass standing in any two years' in English (including the writing of essays) and at least 50 per cent. in Mathematics 1, 4, 6.

First Year.

Latin 1, p. 155.
English 1a, p. 159.
English 1b, p. 159; *or*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.
German 1a, p. 162.
French 1b, p. 164.
Mathematics 1, 4, 6, p. 182.
*Mechanics 1, p. 185.
*Physics 1, 2, 3, p. 185.
*Biology 1, 2, 3, pp. 188, 189.
*Chemistry 1, 2, 13, pp. 194, 195.
*Geology and Palæontology 1, p. 196.

**Honours.*

X. Physics.

Second Year.

English 2b, p. 160; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202; *or*
World History 1, p. 202.
Scientific German.
Scientific French.

*Mathematics 13, 14, 15, p. 183.
*Mechanics 2, p. 185.
*Physics 4, 5, 6, 7, pp. 185, 186.
*Biology 4, 5, 8, 9, pp. 189, 190.
*Chemistry 3, 7, 15, 24, pp. 194, 195.

Third Year.

Scientific German.
Scientific French.
World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3b, pp. 201, 202.

*Mathematics 21, p. 183.
*Mechanics 3, 4, 5, p. 185.
*Physics 9a, 11, 12, 13, 22, pp. 186, 187.

Fourth Year.

Scientific German.
Scientific French.
World History 3, p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.

*Mechanics 7 p. 185.
*Physics 14, 15, 17, 18, 19, 20, 21, pp. 186, 187.

XI. Biological and Physical Sciences.

Second Year.

English 2a, 2b, p. 160.
Scientific German.
Scientific French.
World History 1, p. 202; *or*

Religious Knowledge 1b, *or* 2a, *or* 2b, pp, 201, 202.
*Physics 4, 5, 6, 7, pp. 185, 186.
*Biology 6, 7, p. 189.
*Chemistry 7, 15, 24, p. 195.

Third Year.

English 3a, 3b, p. 160.
Scientific German.
Scientific French.
World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3b, pp. 201, 202.

*Biology 6, Pt. II., 7, 14, 15, 16, 17, 26, pp. 189-191.
*Physiology 1, 2, 5, 6, pp. 192, 193.
*Chemistry 3, 18, pp. 194, 195.

**Honours.*

Fourth Year.

English 4a, 4b, p. 160.
Scientific German.
Scientific French.
World History 3, p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*Biology 17, 21, 22, 23, 24, 27, pp. 191.
*Physiology 3, 4, 5, 6, pp. 192, 193.

XII. Biology.

Second Year.

English 2a, 2b, p. 160.
Scientific German.
Scientific French.
World History 1, p. 202; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202.
*Physics 4, 5, 6, 7, pp. 185, 186.
*Biology 5, 6, 8, 9, pp. 189, 190.
*Chemistry 3, 7, 15, 24, pp. 194, 195.
*Geology and Palæontology 3, 4, p. 196.
*Mineralogy and Petrography 1, 2, pp. 197, 198.

Third Year.

English 3a, 3b, p. 160.
Scientific German.
Scientific French.
World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3b, pp. 201, 202.
*Biology 7, 10, 11, 12, 13, 15, 16, 17, 18, 19, pp. 189-191.
*Physiology 1, 2, 5, 6, pp. 192, 193.

Fourth Year.

English 4a, 4b, p. 160.
Scientific German.
Scientific French.
World History 3, p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*Psychology 6, p. 180.
*Biology 17, 20, 21, 22, 23, 24, p. 191.
*Physiology 3, 4, p. 192.

**Honours.*

XIII. Chemistry and Mineralogy.

Second Year.

Scientific German.
Scientific French.
World History 1, p. 202; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202.
*Mathematics 12, p. 182.
*Physics 4, 5, 6, pp. 185, 186.
*Chemistry 3, 7, 9, 16, 24, pp. 194, 195.
*Geology and Palæontology 3, 4, p. 196.
*Mineralogy and Petrography 1, 3, 4, pp. 197, 198.

At the beginning of the Third Year a candidate may enter Division I., which is chiefly devoted to Chemistry, or Division II., in which greater prominence is given to Mineralogy and Geology.

Division I.—Third Year.

Scientific German.
Scientific French.
World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3b, pp. 201, 202.
*Mathematics 21, p. 183.
*Physics 7, p. 186.
*Chemistry 4, 8, 10, 12, 19, 20, 25, p. 195.
*Mineralogy and Petrography 6, *or* 8, p. 198.

Fourth Year.

Scientific German.
Scientific French.
World History 3, p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*Chemistry 5, 6, 11, 21, *or* 22, *or* 23, p. 195.

Candidates may substitute Biology 4, 5, 8, 9, pp. 189, 190, and Physiology 1, p. 192, for a defined part of Chemistry 21, *or* 22, *or* 23, p. 195.

Division II.—Third Year.

English 3a, 3b, p. 160.
Scientific German.
Scientific French.
World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3b, pp. 201, 202.
*Physics 7, p. 186.
*Chemistry 8, p. 195.
*Geology and Palæontology 5, 6, 7, 8, pp. 196, 197.
*Mineralogy and Petrography 5, 6, 7, 13, p. 198.

**Honours.*

Fourth Year.

Scientific German.
Scientific French.
World History 3, p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*Geology and Palæontology, 9, 11, p. 197.
*Mineralogy and Petrography 8, 9, 10, 11, 12, p. 198.
*Biology 4, 5, 8, 9, pp. 189, 190; *and*
*Physiology 1, p. 192; *or*
*Geology and Palæontology 10, p. 197.

XIV. Geology and Mineralogy.

Second Year.

English 2a, 2b, p. 160.
Scientific German.
Scientific French.
World History 1, p. 202; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202.
*Physics 4, 5, 6, 7, pp. 185, 186.
*Biology 4, 5, 8, 9, pp. 189, 190.
*Chemistry 3, 7, 15, 24, pp. 194, 195.
*Geology and Palæontology 3, 4, p. 196.
*Mineralogy and Petrography 1, 2, pp. 197, 198.

Third Year.

English 3a, 3b, p. 160.
Scientific German.
Scientific French.
World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3b, pp. 201, 202.
*Chemistry 17, p. 195.
*Geology and Palæontology 5, 6, 7, 8, 12, pp. 196, 197.
*Mineralogy and Petrography 3, 4, 6, 8, 13, p. 198.

Fourth Year.

English 4a, 4b, p. 160.
Scientific German.
Scientific French.
World History 3, p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*Geology and Palæontology 9, 10, 11, 13, 14, p. 197.
*Mineralogy and Petrography 7, 9, 10, 11, 12, p. 198.

**Honours.*

XV. Household Science.

First Year.

Latin 1, p. 155.
English 1a, 1b, p. 159.
German 1a, p. 162.
French 1b, p. 164.
Mathematics 1, 4, p. 182.
Mathematics 6, p. 182; *or*
Religious Knowledge 1a, *or* 3a, pp. 201, 202.
*Mechanics 1, p. 185.
*Physics 1, 2, 3, p. 185.
*Biology 1, 2, 3, pp. 188, 189.
*Chemistry 1, 2, 13, pp. 194, 195.
*Household Science 1, p. 199.

Second Year.

English 2a, 2b, p. 160.
Scientific German.
Scientific French.
World History 1, p. 202; *or*
Religious Knowledge 1b, *or* 2a, *or* 2b, pp. 201, 202.
*Biology, Special Course including Histology, Mycology and Bacteriology 25, p. 191.
*Physiology 14, 15, p. 193.
*Chemistry 3 and 15, pp. 194, 195.
*Household Science 2, 4, p. 199.

Third Year.

English 3a, 3b, p. 160.
Ethics 1, p. 181.
Scientific German.
Scientific French.
World History 2, p. 202; *or*
Religious Knowledge 1c, *or* 1e, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3b, pp. 201, 202.
*Physiology 10, 11, p. 193.
*Household Science 3, 5, p. 199.
*Hygiene and Sanitary Science.

Fourth Year.

English 4a, 4b, p. 160.
History 4, 5, pp. 168, 169.
World History 3, p. 202; *or*
Religious Knowledge 1d, *or* 1f, *or* 1g, *or* 1h, *or* 2a, *or* 2b, *or* 3c, *or* 4a, pp. 201, 202.
*Physiological Chemistry 12, 13, p. 193.
*Household Science 6, 7, p. 199.

Physical Training to be taken in the Second, Third and Fourth Years, at least one hour a week.

Students in the Faculty of Household Science may be transferred to the Faculty of Arts and proceed to the degree in Arts on such conditions as the Council of the Faculty may determine.

**Honours.*

SUMMER SESSION.

A Summer Session from July 3rd to July 31st was held in 1906, during which lectures were delivered as follows:—

A. C. CASSELMAN, ESQ., Normal School, Toronto, *Art.*
J. H. FAULL, B.A., PH.D., *Botany.*
W. H. PIERSOL, B.A., M.B., *Zoology.*
F. B. ALLAN, M.A., PH.D., AND F. B. KENRICK, M.A., PH.D., *Chemistry.*
J. C. MCLENNAN, B.A., PH.D., *Physics.*
W. A. PARKS, B.A., PH.D., *Geology and Mineralogy.*
A. H. ABBOTT, B.A., PH.D., *Psychology.*
J. RUSSELL MCLEAN, M.A., *Reading, Voice Culture and Public Speaking.*
SAINTE-ELMES DE CHAMP, B. ÈS L., O.A., *French.*
P. TOEWS, M.A., PH.D., *German.*

It is proposed to hold a Summer Session during July, 1907, when courses will be offered covering the General Course and certain honour subjects of the First Year, and at least a portion of the General Course of the Second Year and subjects outside the curriculum.

AESTHETICS.

Courses in Art and Aesthetics were offered in 1906-'07 as follows:—

(*a*) The History of Art:

PROFESSOR CARRUTHERS, *Greek Architecture and Sculpture.*
PROFESSOR FRASER, *The History of Italian Painting—the origins to 1550.*
PROFESSOR SQUAIR, *Architecture in Northern France and the History of French Painting and Sculpture.*
DR. V. E. HENDERSON, *The Development of Architecture and its Structural Principles.*

(*b*) A Course on Aesthetics:

PROFESSOR KIRSCHMANN, *The Physical and Psychical Basis of the Aesthetics of Light and Colour, with Experimental Demonstrations.*
PROFESSOR ALEXANDER, *The Aesthetics of Poetry.*
DR. A. H. ABBOTT, *The General Problem of Aesthetics.*

POST GRADUATE COURSES.

DEGREE OF MASTER OF ARTS.

A candidate must be of at least one year's standing as Bachelor of Arts in this University.

A candidate who obtained honours at graduation may, on subsequently obtaining honours at the examination of the Fourth Year in a course other than that in which he obtained honours at graduation—the selection of such course to be approved by the Senate—be granted the degree of Master of Arts with honours.

A candidate who obtained standing in general proficiency at graduation may, on subsequently passing the examination of the Fourth Year in an honour course, be granted the degree of Master of Arts with honours.

A candidate who obtained honours or standing in general proficiency at graduation, may receive the degree of Master of Arts on presenting a thesis adjudged to be of sufficient merit, containing the results of some special study or investigation on any subject approved by the professors and heads of that department of those departments in the University, University College, Victoria College and Trinity College in which the subject of the thesis lies. The candidate may be required to undergo a written or oral examination on the subject of the thesis conducted by the professors and heads of the departments concerned; such written or oral examination to be held during the annual examinations in May. If the thesis and the examination, where the latter is required, give evidence of more than ordinary merit, the examining professors and heads may so report, and the candidate may receive the degree of Master of Arts with honours.

A candidate who failed to obtain standing in general proficiency, or in an honour course, at graduation, or who, prior to the first day of June, 1896, obtained a pass standing at the examination for Bachelor of Arts, may receive the degree of Master of Arts on presenting a thesis adjudged to be of sufficient merit containing the results of some special study or investigation conducted on any subject approved by the professors and heads of the department or departments in the University, University College, Victoria College and Trinity College in which the subject of the thesis lies. The candidate shall be required to undergo a written or oral examination on the subject of the thesis conducted by the professors and heads of the departments concerned; such written or oral examinations to be held during the annual examinations.

Notice of the subject which the candidate proposes to take for his thesis must be given to the Registrar on or before the first day of November, and the thesis must be presented on or before the first day of April.

The copy of the thesis presented by the candidate for the degree of Master of Arts must be either printed or typewritten, unless the examining professors and heads deem this unnecessary.

Candidates who are admitted to the degree of Doctor of Philosophy in this University may, on the payment of the fees for the degree of Master of Arts, be admitted to that degree without further examination.

The regulations in force for the degree of Master of Arts previous to the passing of this statute shall continue in force till the fifteenth of June, 1905, but candidates may avail themselves of the provisions of this statute after June, 1903.

All theses and essays sent in to the Registrar by candidates for degrees, diplomas or prizes in any of the Faculties or Departments of the University, except such as are part of the course leading to the degree of B.A. shall be subject to the following regulations:

(a) The Registrar shall endorse upon every thesis or essay received by him the day and date of its receipt, and shall keep a record containing particulars of the subject of such thesis or essay, the name, academic standing and post-office address of the author, the day and date of the receipt of such thesis or essay, and any other particulars which the Registrar may deem necessary for the information of the Senate or of any other academic body connected with the University.

(b) That upon the receipt by the Registrar of any thesis or essay he shall forthwith notify the author of the regulations contained in this statute, and, before handing over the thesis or essay to the examiners, shall procure from the author a written undertaking to be bound by the said regulations.

(c) That no such thesis or essay shall be published in book, pamphlet or other form, in the name or with the imprimatur of the University, or in any manner to indicate the sanction of the University to such publication, without the consent of the Senate.

(d) That all such theses and essays shall be returned by the examiners to the Registrar immediately after the close of the examinations, and the Registrar shall thereupon deliver said thesis and essays to the Librarian of the University who shall be the custodian of the same, subject to the directions of the Vice-Chancellor, or, in his discretion, to the order of the Senate.

ADMISSION AD EUNDEM GRADUM.

A graduate in the Faculty of Arts in any University in Great Britain or Ireland (if his degree be not an honorary one) may be admitted to the same degree in the University of Toronto.

DEGREE OF PH.D.

The degree of Doctor of Philosophy has been established for the purpose of encouraging research in the University of Toronto, and is conferred on the following conditions:—

1. The candidate shall be a graduate in Arts of the University of Toronto, and shall register in the University of Toronto as a graduate student. Graduates in Arts in other Universities who have been admitted *ad eundem gradum* in this University may also register. The Registrar shall not register any student unless he presents a certificate of qualification from the professors and heads of that department in the University of Toronto, University College and Federated Universities, from which he proposes to select his major subject. Such registration may take place at any time in the academic year.

2. The candidate shall after registration have pursued for at least two years the study of a special subject, to be termed the major subject, under the direction of the professor of such subject in the University of Toronto, University College, or Federated Universities.

3. Exemption from attendance for the first of the two years of study may be granted upon the report of the professor, but the candidate shall present satisfactory evidence of study in his major subjects at another University during that year.

4. The candidate shall pass examinations in two other subjects, to be termed the minor subjects. He shall obtain a standing in the examinations in the two minor subjects equivalent at least to that required for honours in the examination for the B.A. degree. The examination in either or both minor subjects shall be dispensed with in case the candidate has obtained first-class honours in either or both of such subjects at the examination for B.A. in this University.

5. The candidate shall present a thesis on some topic in his major subjects embodying the results of an original investigation conducted by himself.

8. The candidate shall select one of his minor subjects from the group of the professors and heads of that department which includes the major subjects, in the University of Toronto, University College and Federated Universities, and such report shall also state that the candidate has passed a satisfactory examination in his major subject. The candidate, after the acceptance of the thesis, shall furnish to the Registrar one hundred printed copies of such thesis, together with the report thereon, before he receives the degree.

7. The annual fee for registration in the University of Toronto and University College is $25, and the fee for the degree of Doctor of Philosophy is $50.

8. The candidate shall select one of the minor subjects fromthe group to which his major subject belongs, and shall select his second minor as indicated in the annexed table.

The following is the list of major subjects arranged in groups:—

GROUP I. BIOLOGY.

1. Animal Morphology.
2. Animal Physiology.
3. Botany.

GROUP II. CHEMISTRY.

1. Inorganic Chemistry.
2. Organic Chemistry.
3. Physical Chemistry.
4. Physiological Chemistry.

GROUP III. PHYSICS.

1. Light.
2. Heat.
3. Electricity.
4. Sound.
5. Dynamics.

GROUP IV. GEOLOGY.

1. Geology.
2. Palæontology.
3. Mineralogy.
4. Petrography.

GROUP V. PHILOSOPHY.

1. Logic and Metaphysics.
2. Psychology.
3. History of Philosophy.
4. Ethics.

GROUP VI. ORIENTAL LANGUAGES AND LITERATURE.

1. Hebrew Language and Literature.
2. Aramaic Language and Literature.
3. Arabic Language and Literature.
4. Assyrian Language and Literature.

GROUP VII. POLITICAL SCIENCE.

1. Economic History.
2. Economic Theory.
3. Philosophy of Politics.
4. Constitutional History and Law.

GROUP VIII. MATHEMATICS.

1. Geometry.
2. Analysis.

Minor subjects may also be chosen from the following groups:—

GROUP IX. MODERN LANGUAGES AND LITERATURE.

1. Old English.
2. Modern English.
3. Modern French.
4. Old French.
5. Modern German.

GROUP X. LATIN AND GREEK LANGUAGES AND LITERATURE.

1. Greek Language and Literature.
2. Latin Language and Literature.
3. Greek Philosophy.
4. Roman and Greek History.

GROUP XI. HISTORY.

1. Canada under the French Régime.
2. Canada under British Rule.
3. The American Revolution.

The provisions of this statute may be extended to any other department in the University of Toronto, University College and Federated Universities, upon application of the head or heads of such department to the University or College to which he or they belong, and upon satisfying such governing body of the ability of their department to carry out the purposes of this statute.

Until the extension of the provisions of this statute to departments not at present included in the preceding enumeration of groups, the heads of such departments shall, when asked so to do, name subjects as second minors in their departments.

TABLE.

When the candidate selects his major subject from	He shall select his second minor subjects from
Group I.	Group II., III., IV., or V.
Group II.	Group I., III., IV., or VIII.
Group III.	Group I., II., IV., V., or VIII.
Group IV.	Group I., II., III. or V.
Group V.	Group I., II., III., VI., VII or X.
Group VI.	Group V., IX., X. or XI.
Group VII.	Group V., VIII., IX., X. or XI.
Group VIII.	Group I., II., III., IV., V., VI., VII., IX., X. or XI.

UNIVERSITY COLLEGE Y.M.C.A. BUILDING.

UNIVERSITY COLLEGE.

University College.

University College is, since the Federation Act of 1887, the complement, in the system of higher education provided by the State, of the University of Toronto. The State furnishes through University College instruction in those departments of the Arts Course in which it does not furnish instruction through the University. These departments are Greek, Latin, Ancient History, English, French, German, Oriental Languages and Ethics.

For the Faculty of University College, see p. 19.

UNIVERSITY COLLEGE COUNCIL.

THE PRINCIPAL.

PROFESSOR MCCURDY.	ASSOCIATE PROFESSOR NEEDLER.
PROFESSOR ALEXANDER.	ASSOCIATE PROFESSOR DAVIDSON.
PROFESSOR HUME.	DOCTOR JOHNSTON.
PROFESSOR SQUAIR.	DOCTOR EAKIN.
PROFESSOR VAN DER SMISSEN.	DOCTOR TOEWS.
PROFESSOR FLETCHER.	MR. G. OSWALD SMITH.
ASSOCIATE PROFESSOR KEYS.	DOCTOR WALLACE.
ASSOCIATE PROFESSOR MILNER.	M. DE CHAMP.
ASSOCIATE PROFESSOR CAMERON.	MR. TACKABERRY.
ASSOCIATE PROFESSOR CARRUTHERS.	

Registrar.....MALCOLM W. WALLACE, B.A., PH.D.
Superintendent of Women Students.....MISS SALTER.

Enrolment of Students.

All students of the University proceeding to a degree in Arts are required to enroll themselves in University College or in Victoria College or in Trinity College.

The conditions precedent to enrolment in University College are determined by the Council of the College. Every student of the College must either be an undergraduate of the University, or, if he be an occasional student, must satisfy the College Council that he has sufficient knowledge of the subject in which he proposes to attend College lectures to do so with advantage.

Discipline.

The College has full control of its students so far as concerns their attendance upon lectures in the courses provided by the College, and their admission to the University examinations. No student of the College will be received by the Uni-

versity for examination without a certificate from the College that he has complied with its regulations.

Religious Knowledge.

No student will be allowed to take a Religious Knowledge option in any College other than University College without the consent of the College Council. Each student who wishes to take course in Religious Knowledge outside University College must make formal application on or before October 25, stating what course he desires to take, for what subject the course is an option, in which College the applicant proposes to take this course, and for what reason he wishes to take it outside University College.

Student Societies.

Various societies and associations, both of young men and of young women, have been organized for the promotion of Christian effort, social intercourse, literary and scientific activity. The Young Men's Christian Association has a building especially devoted to its purposes, in which a devotional meeting is held every Thursday, and a public meeting every Sunday, at which latter addresses are delivered by prominent Christian workers. There is also a Young Women's Christian Association, which meets weekly. The Literary and Scientific Society, whose membership is made up of male students, holds weekly meetings for discussion, the reading of essays, etc. The Women's Literary Society has similar aims and methods. Besides the above, there are several associations for the encouragement of special branches of study. These are the Classical Association. the Modern Language Club, the Oriental Association, etc. A paper devoted to literature and college news is published weekly, its staff consisting of representatives from various sections of the undergraduate body. For lists of officers of the various societies, see Appendix.

Lodging and Board.

Lodging and board are readily obtainable in numerous private boarding-houses within convenient distance of the University at a cost of from three dollars upwards for comfortable lodging with board; or rooms may be rented at a cost of from one dollar per week upwards, and board obtained

separately at moderate rates. A list of accredited boarding-houses is kept by the Secretary of the University College Young Men's Christian Association, and students are recommended to consult him with reference to the selection of suitable accommodations. Board may also be obtained at moderate rates in the University dining hall.

Residence for Women Students.

Queen's Hall, No. 7 Queen's Park, the residence of the late W. H. Howland, was opened in January, 1905, for the reception of women students. There is accommodation for forty-eight persons. Rates range from $5.00 to $5.50 per week, according to rooms. Applications for admission should be made to the Dean.

Dean: MRS. CAMPBELL (widow of the late Rev. John Campbell, Professor in the Presbyterian College, Montreal).

Advisory Committee of Ladies: MISS L. HAMILTON, MRS. R. RAMSAY WRIGHT, MRS. J. F. MCCURDY.

Extracts from the Rules of Queen's Hall.

Students may receive their friends on Friday afternoon and evening. All visitors must leave the Residence by 10 p.m.

Students must leave their addresses with the Dean when going out for dinner, or after dinner, and must report to her on retiring. Except by special permission no student must be out later than 10.30, which permission must be asked for before dinner. In the case of First Year Students this absence must not occur oftener than once a week unless under exceptional circumstances.

Students should not go to places of public entertainment without a proper chaperone, and should consult the Dean before making engagements for such entertainments. Except in the case of certain University functions no student may be out later than 12 p.m.

A quiet hour must be kept from 8 to 10 except on Saturday evening.

All visiting must cease when the hall lights are turned out at 10.30, after which hour there must be silence.

Students are asked to appoint a committee of *five* to consult with the Dean with regard to the maintenance of order and the general welfare of the household. The committee should be appointed before the 19th of *October.*

Payment of the weekly charge must be made in advance.

Regulations Relating to Students, Terms and Examinations.

1. Students entering University College are required to produce satisfactory certificates of moral character and previous good conduct.

2. No student will be enrolled in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Council to be prejudical to the interests of the College.

QUEEN'S HALL.

3. Matriculated students are required to attend the courses of instruction and examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the College who persistently neglects academic work.

4. The certificate required for admission to the University examinations will not be granted to students who have been reported to the Council for not conforming to the College regulations, or for improper conduct of any kind.

5. Matriculated students are required to reside, during the period of their attendance on lectures, in houses selected by their parents or guardians, or approved by the College Council.

6. Men and women students, unless members of the same family, are not permitted to reside in the same lodging-houses.

7. Women students are under the supervision of the Lady Superintendent, whose direction as to conduct are to be observed.

8. All interference on the part of any student with the personal liberty of another, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will forfeit the certificate required for admission to the University examinations, and will render himself liable to expulsion from the College.

9. A student who is under suspension, or who has been expelled from the College or University, will not be admitted to the University buildings or grounds.

10. The constitution of every College society or association of students and all amendments to any such constitution, must be submitted for approval to the College Council. All programmes of such societies or associations must, before publication, receive the sanction of the Council. Permission to invite any person not a member of the Faculty of University College to preside at or address a meeting of any society or association, must be similarly obtained. Societies and associations are required to confine themselves to the objects laid down in their consitution.

11. The name of the College is not to be used in connection with a publication of any kind without the permission of the College Council.

12. Occasional students may be admitted to lectures on application to the Principal.

13. Certificates of attendance on lectures in any department during an academic year may be given to occasional students who have been regular in their attendance, and who have also passed the examinations in such department.

14. All undergraduates are expected to wear the prescribed academic costume within the class rooms and buildings.

15. All class receptions of the various years can be held on Saturday afternoons only.

WINNERS OF PRIZES, MEDALS AND SCHOLARSHIPS IN THE COLLEGE IN 1906.

Prizes.

French Prose Prize.....A. F. B. Clarke, (æq.).
Miss M. H. Mulman, (æq.).
The Frederick Wyld Prize for English Essay.....A. F. B. Clark, 1905.
J. F. Kenney, 1906.
The Toronto Alumnæ Prize in English Composition of the Second Year.....Miss C. M. Knight.

Medals.

Governor-General's Medal in Modern Languages (Fourth Year).....A. F. B. Clark.
McCaul Medal in Classics.....R. W. Hart.
The New York Alumnæ Medal.....No Award.

Scholarships.

The William Dale, for Classics (Junior Matriculation).....Miss A. M. Gillies.
The McCaul, for Classics (Junior Matriculation).....W. M. Johnson.
The Moss, for Classics (First Year).....Miss A. M. Gillies.
The Edward Blake, for Moderns (First Year).....Miss E. Scott.
The Flavelle, for Biblical Literature (First Year).....J. C. Fisher.
The Massey, for Biblical Literature (First Year)..Miss J. C. McCurdy.
The William Mulock, for Classics (Second Year)....Miss C. M. Knight.
The George Brown, for Moderns (Second Year)
Miss L. M. Thompson (æq.).
Miss I. M. Trowern (æq.).
The Knox College, for Orientals (Second Year).....R. M. Campbell.
The Cox, for Biblical Literature (Second Year)
Miss M. L. Thompson.
The John Macdonald, for Philosophy (Third Year).....J. R. Harris.
The Julius Rossin, for Moderns (Third Year).....Miss M. H. Milman.
The Moss, for Classics (Third Year).....W. A. Rae.
The Knox College, for Orientals (Third Year).....P. W. Spence.
The Wood, for Biblical Literature (Third Year).....E. F. Hauch.

VICTORIA COLLEGE,

VICTORIA COLLEGE.

Victoria College.

VICTORIA COLLEGE was founded by resolution of the Conference of the Methodist Church in Canada, held in Kingston in August, 1830. The institution was opened for students on the 18th of June, 1836, with the Rev. Matthew Richey, M.A., as Principal. On the 12th of October, 1836, letters patent were issued by His Majesty King William IV., incorporating the institution as a seminary of learning for the Province of Upper Canada, under the name of "Upper Canada Academy."

In 1841 the Parliament of the United Provinces of Upper and Lower Canada, being now first constituted by Acts of the Imperial Parliament, with power to grant such a charter, at its first session, held in the city of Kingston, passed an Act, extending the charter of the Upper Canada Academy under the name and style of "Victoria College, with power and authority to confer degrees of Bachelor, Master and Doctor of the various Arts and Faculties," which Act was assented to by the Governor General on the 27th of August, 1841.

On the 21st of October, 1841, the Rev. Egerton Ryerson, having been appointed principal, opened the first college session under the enlarged charter.

In the year 1844 the Rev. A. McNabb, D.D., succeeded the Rev. Dr. Ryerson as Principal, and occupied the office until 1849. At the close of his term the number of students in the college was 140.

In 1850 the Rev. S. S. Nelles, M.A., was appointed Principal, and addressed himself to the task of organising and enlarging the College to the status and work of a University. In the year 1854-55 the Faculty of Medicine was added and established in Toronto. In 1860 the Faculty of Law was added, and in 1871 the Faculty of Theology.

In the year 1883-84 a Commission, appointed by the General Conference of the Methodist Church, arranged for the consolidation of Albert College, Belleville, with Victoria

College, Cobourg, and legal effect was given to this consolidation by Act of the Legislature of Ontario, 47 Vic., chap. 93.

The corporate name was by this Act changed to "Victoria University." The government of the University was vested in a Board of Regents, Chancellor, Vice-Chancellor and Senate. To these bodies was given power to affiliate outlying colleges, and full university powers in all Faculties were continued. The Rev. S. S. Nelles, D.D., LL.D., as President, was *ex officio* first Chancellor, and William Kerr, K.C., LL.D., Senator, was elected Vice-Chancellor.

In 1887 the Rev. S. S. Nelles, D.D., LL.D., died, and the Rev. N. Burwash, S.T.D., LL.D., was appointed President and Chancellor.

Under the provisions of the present charter the following colleges are affiliated in Arts with Victoria University:— Albert College, Belleville; the Ontario Ladies' College, Whitby; Alma College, St. Thomas; Columbian Methodist College, New Westminster, B.C.

On the 12th of November, 1890, under the provisions of the Revised Statutes of Ontario, chap. 230, and the Acts amending the same, Victoria University was, by proclamation of the Lieutenant Governor, federated with the University of Toronto.

On the 1st of October, 1892, the Faculty of Victoria College occupied the new building in the Queen's Park, Toronto, and the federation of the Universities was practically consummated. The Faculty of Arts then assumed the work and relation of a College in the University of Toronto, providing instruction in all subjects assigned by the Federation Act to University College. In other subjects the students of Victoria College attend the lectures and laboratory practice of the University of Toronto, and receive their degrees under the statutory regulations of its Senate.

By the provisions of the Federation Act the President of Victoria College, a representative of the Senate of Victoria College, and five representatives of the graduates in Arts, are members of the Senate of the University of Toronto, and the graduates and undergraduates of Victoria College are granted the same standing and privileges in the University of Toronto. By the provisions of the University Act of 1906,

three members of the Arts Faculty of Victoria, chosen by that body, are sent as additional representatives to the Senate of the University of Toronto and all the permanent members of the Arts Staff of Victoria as well as one of the theological staff chosen by that Faculty are members of Council of the Faculty of Arts of the University of Toronto.

Five hundred and seventy-seven graduates of Victoria College were admitted to standing and privileges of the degree of B.A. in the University of Toronto; two hundred and thirty-one to those of M.A.; nine hundred and sixty-three to those of M.D.; one hundred and twenty-five to those of LL.B.; and forty to those of LL.D.

By the University Act of 1901 the electoral body in Convocation of Victoria College was made permanent, and was enlarged to include all graduates of the University of Toronto who, since 1892, at graduation were enrolled in Victoria College in Arts.

The electoral body of Victoria College in the Convocation of the University of Toronto now consists of 1130 graduates in Arts, besides the graduates in Law and Medicine, who form one body with those of the University of Toronto.

The following Benefactions have been given to Victoria University for the endowment of chairs and erection of buildings:

Mr. and Mrs. Edward Jackson for endowment of chair, $30,000.

Wm. Gooderham, Esq., for building and endowment, $200,000.

The Honourable Geo. A. Cox and Mrs. Cox, for endowment of two chairs, $100,000.

Hart A. Massey, Esq., for building and endowments, $350,000.

The Honourable John Macdonald, for building for federation purposes, $25,000.

W. E. H. Massey, Esq., for endowment, three hundred shares of Massey-Harris stock.

J. W. Flavelle, Esq., for endowment, $25,000.

From these and other sources the following Chairs have been endowed:

The Edward Jackson Chair in Biblical and Systematic Theology.

The William Gooderham Chair in English Literature.

The Eliza Gooderham Chair in French Literature.

The H. A. Massey Chair in the English Bible.

The Eliza Phelps Massey Chair in Old Testament Exegesis.

The Geo. A. Cox Chair in New Testament Exegesis.

The Margaret Cox Chair in Homiletics and Pastoral Theology.

The J. W. Flavelle Chair in Hebrew.

The W. E. H. Massey Chair in Greek Language and Philosophy.

A special endowment for the Presidency of the College.

The Ryerson Chair in Ethics and Evidences of Christainity.

The Nelles Chair in Ancient History.

The Macdonald Chair in Latin.

The building, library, museum, furniture and grounds of Victoria College are now valued at $486,689; and the endowment is about $650,000.

The Government of Victoria College.

The Board of Regents.

REV. A. CARMAN, M.A., D.D., *General Superintendent of the Methodist Church.*
REV. N. BURWASH, S.T.D., LL.D., *Chancellor.*
HON. WM. KERR, M.A., LL.D., K.C., *Senator, Vice-Chancellor (Ob.).*
HON. J. J. MACLAREN, M.A., LL.D.
HON. B. M. BRITTON, M.A.
REV. E. B. RYCKMAN, M.A., D.D.
REV. JAMES ALLEN, M.A.
HON. GEO. A. COX, *Senator.*
E. R. WOOD, ESQ.
REV. JOHN POTTS, D.D.
REV. E. N. BAKER, M.A., B.D.
JAMES MILLS, M.A., LL.D.
REV. S. CLEAVER, M.A., D.D.
A. E. AMES, ESQ.
R. A. REEVE, B.A., M.D.
REV. WILLIAM BRIGGS, D.D.
N. W. ROWWELL, LL.B., K.C.
REV. W. H. WITHROW, M.A., D.D., F.R.S.C.
H. H. FUDGER, ESQ.
REV. W. P. DWYER, M.A., B.Sc., D.D.
REV. J. S. ROSS, M.A., D.D.
A. E. KEMP, ESQ., M.P.
F. J. SMALE, B.A., PH.D.
CHESTER MASSEY, ESQ.
REV. JASPER WILSON, M.A.
REV. ALEX. J. IRWIN, B.A., B.D.
REV. ARTHUR H. GOING, B.A.

Representatives of the Alumni:

H. HOUGH, M.A., LL.D.
E. C. S. HUYCKE, B.A., LL.B.
C. C. JAMES, M.A., *Deputy Minister of Agriculture.*
C. W. KERR, B.A.
J. R. L. STARR, B.A., LL.B.
REV. E. A. CHOWN, B.A., B.D.
H. W. AIKINS, B.A., M.D.

The Senate.

REV. N. BURWASH, S.T.D., LL.D., F.R.S.C., *Chancellor.*
HON. WM. KERR, M.A., LL.D., K.C., *Vice-Chancellor.*
REV. A. CARMAN, M.A., D.D., *General Superintendent of the Methodist Church.*
A. P. COLEMAN, M.A., PH.D. (Bresl.), *Honorary Professor.*
PROFESSORS OF THE FACULTY OF ARTS.
PROFESSORS OF THE FACULTY OF THEOLOGY.
MEMBERS OF THE BOARD OF REGENTS.

Representative of Albert College:
F. W. MERCHANT, B.A., D.PÆD.

Representative of the Ontario Ladies' College, Whitby:
REV. J. J. HARE, M.A., PH.D.

Representative of Alma College, St. Thomas:
REV. R. I. WARNER, M.A., D.D.

Representatives of the Alumni:
B. E. MCKENZIE, B.A., M.D.
F. C. COLBECK, B.A.
REV. R. N. BURNS, B.A., D.D.
L. A. KENNEDY, M.A.
HON. J. W. ST. JOHN, B.A., M.P.P., *Speaker of the Legislature.*
E. B. RYCKMAN, M.A., LL.B.
REV. A. B. CHAMBERS, LL.B., D.D.
F. N. G. STARR, M.D., C.M.

For the Faculty of Arts of Victoria College, see page 15.

General Regulations and Announcements.

FOR STUDENTS IN ARTS.

Admisssion.

Students are admitted to Registration in the Faculty of Arts on having passed the Matriculation examination prescribed by the University of Toronto, or on giving the Faculty satisfactory evidence of their ability to pursue the course of study proposed. They are required to observe the general regulations of the University of Toronto and of Victoria College in regard to attendance on lectures and examinations.

Examinations.

No student may present himself for any University examination subsequent to matriculation without producing a certificate of having complied with all the requirements of his college affecting his admission to such examination.

Occasional Students.

Occasional students may be admitted to lectures on application to the President of Victoria College.

Certificates of attendance on lectures in any department during an academic year may be given to occasional students who have been regular in their attendance and who have passed the examinations in such department.

Terms.

The term will not be allowed to students who have been reported to the President by any of the Professors as neglecting to attend the required lectures, or have not conformed to the statutes and regulations of the College, or have been reported to the Faculty for bad conduct.

Instruction.

Instruction is given in the various subjects of the Arts course by the Arts Faculty of the University of Toronto and

the Arts Faculty of Victoria College. Instruction in the theological options is given by the Theological Faculty of Victoria College.

College Examinations.

Matriculated students are required to attend all examinations prescribed by the Professors and Lecturers in their special departments.

Prizes and honours are awarded on the recommendation of the Professors and Lecturers, in accordance with the requirements prescribed by them in their several departments.

Occasional students are not required to attend the examinations, unless they are candidates for prizes or honours, or desire to obtain certificates of attendance.

Fees.

The fees required to be paid by students enrolled in Victoria College are those prescribed by the Governors of the University of Toronto. Enrolment fees are paid to the College Treasurer; all other fees are paid to the Bursar of the University of Toronto.

Discipline.

All students enrolled in Victoria College are subject to the regulations as to discipline prescribed by the Council of the Faculty of Arts of the University of Toronto.

Students are required to attend the lectures, as well as the examinations on all subjects necessary for students of their course and standing, and certificates of such attendance will be required as a condition of admission to examination by the University unless dispensation has been obtained.

All interference with the personal liberty of the student, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence is forbidden by the Faculty. Any student convicted of participation in such proceedings will forfeit the certificate required for admission to the University examinations, and will render himself liable to expulsion from the College.

Religious Services.

All students are expected to attend the public worship of God on the Lord's Day at such churches as their parents or guardians may prefer. Morning prayers will also be held daily in the Chapel, at which all students are expected to be present.

Other religious services will be held at suitable times, to which all students are cordially invited.

Libraries, Museums, Etc.

The students of Victoria College, besides having the use of the University of Toronto Library and the various Laboratories of the University, have free access to the Victoria University Library, which consists of a working collection of 18731 bound volumes on the English, Latin, Greek, French, and German languages and literatures, History, Philosophy, and the various departments of Theology. The Library is one of reference, and includes the loan of the Literary Society collection.

In addition to the collections in the Museums of the University of Toronto, there is in Victoria College a Museum of particular value in the Departments of Mineralogy, Archæology and Ethnology. In the latter department a number of very valuable additions have been made during the past three years, embracing the following collections:

I. Presented by the Egypt Exploration Fund Committee, through the efforts of Mr. C. T. Currelley, a number of Egyptian antiquities typical of the results of the researches of the last twenty years, including—

1. Articles found by Drs. Grenfell and Hunt in the Fayum in the winters of 1895-1901.

2. Articles, mainly of the 18th dynasty, found at Deir El Bahari, where the temple of Queen Hatsephsut (B.C. 1516 to 1481) has been excavated and restored for the Egypt Exploration Fund by M. Naville.

3. Articles found by Prof. Flinders Petrie at Diospolis Parva (modern Hu), mainly of prehistoric age (*ante* 5000 B.C.).

4. Articles excavated at Naukratis, the great Greek city on

the Delta, by Prof. Flinders Petrie and Prof. Ernest Gardner.

5. Articles excavated by M. Naville at Bubastis.

6. Articles found at Tell Nebesheh by Prof. Flinders Petrie.

7. Articles found by Prof. Flinders Petrie at Tell Defenneh, the Daphnæ of the Greeks, the Tahpanhes of the Bible.

8. Articles found by Drs. Grenfell and Hunt in the Fayum in 1901-02.

9. Articles excavated at Abydos during the season of 1902-03—ranging from the 4th Dynasty to Roman times.

10. Articles presented by the Græco-Roman Branch for 1903, mainly Roman and found at Behnesa, Hibeh, and Owarara (the latter of Byzantine age).

11. A series of fine papyri presented by the Græco-Roman Branch.

12. Articles presented by the Beni-Hassan Excavation Fund of the University of Liverpool in 1904.

13. Articles presented by the Egypt Excavation Fund from their researches in 1903 at Ehnasya, Ghorab, and Deir El Bahri.

14. Numerous articles purchased by C. T. Currelley, M.A., in Egypt, and presented or loaned to the Museum by Mr. Currelley, Mrs. J. Currelley and Mr. J. Trick.

15. Labrador hooded seal, presented by friends in St. Paul's Church in honour of W. F. Adams, M.B., D.D.S.

II. Presented by the Union Literary Society, a fine collection of Indian relics, illustrating the religious usages and domestic and tribal customs of the Blackfeet, Blood, Peigan, Kootenay, Shuswap and Coast Indians.

Residence.

Students are recommended to board in such houses as are approved by the President, except students residing with their parents or with friends designated by their parents or guardians. A carefully selected list of boarding-houses, where board and rooms may be obtained at prices varying from $3.00 to $5.00 a week, is prepared each year by the Young Men's Christian Association. Students will be expected to observe proper hours and to maintain the conduct of Christian ladies and gentlemen.

ANNESLEY HALL.

Annesley Hall.

This new and commodious residence for women students has been completed and is furnished with every modern accessory to the health, comfort and convenience of the students in their college work and social life. It is under the direction of a Committee of ladies, who have appointed Miss Margaret E. T. Addison, B.A., Dean of Residence, and Miss Richardson, Director of Household.

Enlarged provision has also been made for Physical Culture under the direction of Mrs. Ema Scott-Raff, F.C.M., assisted by Miss Helen Ward Armington, graduate of Dr. Sargent's School of Physical Culture, Cambridge, also graduate of the Harvard University Summer School. The general health of the students, as well as their work in Physical Culture, is under the supervision of Miss L. A. Davis, M.D., C.M.

Methodist young ladies pursuing advanced studies in Music or Art in the city may also be admitted as far as room will permit.

All applications should be in by the fifteenth of September and should be addressed to Miss M. E. T. Addison, B.A., Dean of Residence, Annesley Hall, Queen's Park, Toronto, who will supply full information.

Campus.

The Board of Regents has purchased a large block of land north of the College, which gives space for students' residences and campus.

On this ground has been erected a commodious building, affording offices and bath room for the Athletic Union.

MEDALS, SCHOLARSHIPS AND PRIZES,

Awarded by the College.

B. A. EXAMINATION.

The Prince of Wales Gold Medal (General Proficiency)....C. F. Connor.
The Governor-General's Silver Medal (1st in Honour Courses)
J. M. Zurbrigg.
The Edward Wilson Gold Medal (Classics) { J. W. Cohoon. / Miss E. L. Chubb. } bar
The S. H. Janes Silver Medal (Mathematics).....Miss F. M. Ashall.
The J. J. Maclaren Gold Medal (Moderns).....Miss K. E. Cullen.
The E. J. Sanford Gold Medal (Philosophy).....G. G. Harris.
The S. H. Janes Silver Medal (Philosophy).....J. G. Brown.
The Geo. A. Cox Gold Medal (Nat. Science).....F. C. Bowman.
The Mrs. Hart A. Massey Gold Medal (Household Science)
Miss O. G. Patterson.
The W. J. Robertson Prize (Can. Con. Hist.).....C. F. Connor.

THIRD YEAR.

The W. E. H. Massey Scholarship (Semitics).....C. J. Ford.
The Nelles Scholarship (1st in Moderns).....F. Owen.
The Class of 1893 Bursary (2nd in Moderns).....Miss M. E. Birnie.
The W. E. H. Massey Scholarship (Philosophy).....W. L. Hiles.
The Hodgins Prize (Pass English).....F. W. Rathman.

SECOND YEAR.

The Webster Prize (Pass English).....Miss E. Hildred.
The Robert Johnston Prize (Pass Hebrew).....E. E. Domm.
The Robert Johnston Prize (Pass Hebrew)
I. W. Kilpatrick (*Hon. mention*).

FIRST YEAR.

The Robertson Scholarship (Classics).....C. W. Stanley.
The Class of 1902 Prize (Pass English).....C. W. Stanley.

FIRST AND SECOND YEARS.

Essay on History of Victoria College (First Prize).
Miss Z. M. Dunham.
Essay on History of Victoria College (Second Prize).
Miss C. B. Dunnett.

ALL THE YEARS.

The Pelham Edgar Prize (French Comp.).....Miss K. E. Cullen.

JUNIOR MATRICULATION.

The Martha Bell Scholarship (Classics).....F. E. Hetherington.

Awarded by the University.

The Edward Blake Scholarship in Biology (2nd year).
W. A. McCubbin.
The Kirschmann Scholarship in Philos. (Optics, 3rd year).
W. L. L. Lawrence.
The Daniel Wilson Scholarship in Chem. and Min. (3rd year).
....M. E. Wilson.
The 1851 Science Research Scholarship..... ....R. H. Clark, B.A.

AFFILIATED COLLEGES.

Albert College.

BELLEVILLE, ONT.

FOUNDED 1854.

Faculty.

THE REV. W. P. DYER, M.A., B.Sc., D.D., *President.*
ELLA GARDINER, B.A.
EMMA CLARKE.
V. P. HUNT.
REV. E. R. DOXSEE, B.A., *Secretary.*
A. B. FENNELL, B.A.
W. K. BEECH.
MARGARET BAKER.
GRETA PETERSON, B.A.
D. A. CAMERON.
ISABELLE McBRIAN.
LAURA LA VOIÉ.
FLORENCE THOMPSON.
HELEN DYER.
MINA KENNEDY.

Course of Study.

I. Collegiate Course, embodying elective undergraduate studies.
II. Junior or Senior Matriculation in Arts, Civil Engineering, Law, Medicine and Theology.
III. Teachers' Course, to prepare for teachers' examinations.
IV. Preliminary Course, as prescribed by the General Conference of the Methodist Church.
V. Business College Course, comprising Theoretical and Practical Bookkeeping, Practical English, Shorthand and Typewriting.
VI. Musical Course in Musical Academy, comprising Pianoforte Course, Organ Course, Post-graduate Course and Voice Culture.
VII. Course in Fine Arts, embracing Painting, Drawing, etc.
VIII. Course in Elocution and Physical Culture.
IX. Course in Domestic Science and Art.
X. Alexandra Ladies' College Course, leading to the M.L.A. and M.M.L.

Ontario Ladies' College.

AND

Ontario Conservatory of Music and Art.

WHITBY, ONT.

Officers of the Faculty.

REV. J. J. HARE, PH.D.....*Governor and Principal.*
MISS BURKHOLDER, B.A., S.B.....*Lady Principal.*
W. J. GREENWOOD, B.A.....*Secretary.*
MISS M. L. COPELAND.....*Registrar and Accountant.*

FACULTY.

College of Literature and Science.

REV. J. J. HARE, PH.D., *Psychology, etc.*
W. J. GREENWOOD, B.A., *Classics, Logic and Mathematics.*
MISS BURKHOLDER, B.A., S.B., *English Literature.*
MISS ROWELL, B.A., *German, French, Italian.*
MISS SCRATCH, (*Science Specialist*) *Chemistry and Physics.*
MISS CULLEN, B.A., *English.*
MISS TESKEY, *English and Oratory.*
MISS COPELAND, *Bookkeeping.*
MISS SWAN, M.E.L., *Assistant in Junior English Branches.*
MISS GRIFFITH, *Assistant in Junior English Branches.*

Ontario Conservatory of Music.

In affiliation with Toronto Conservatory of Music.
J. W. F. HARRISON, ESQ., Director, *Piano and Pipe Organ.*
MISS SMART, *Vocal Music.*
MISS ARCHER, MUS. BAC., *Harmony and Violin.*
MISS WRIGHT, A.O.C.M., *Piano.*
MISS CHOWN, (Two years in Germany), *Piano.*
MISS PETHERBRIDGE, A.O.C.M., *Piano.*
MISS MARTIN, *Vocal Music.*
MISS BOARD, *Assistant in Vocal Music.*
MISS SWAN, A.T.C.M., *Pipe Organ.*
L. N. WATKINS, ESQ., *Guitar, Banjo and Mandolin.*

College of Fine Art.

F. McG. KNOWLES, R.C.A., Director, *Drawing, Painting, Wood Carving, etc.*
MISS GILLIVRAY, *Assistant in Drawing, Painting, etc.*

College of Oratory.

MISS TESKEY, AND MISS GRIFFITH, *Assisted by Teachers of the Literary Department.*

Commercial College.

MISS COPELAND, *Commercial Forms, Phonography, etc.*
MISS EATON, *Commercial Law, etc.*

College of Domestic Science.

MISS DIEM, *Chemistry of Foods, Cooking, etc.*
MISS DONALDSON, *Art Needlework.*
MISS CARSON, *Dressmaking, Millinery, Household Art.*

Exercise.

MISS TESKEY, *Physical Culture.*
MR. CROSS, *Riding.*
MRS. POPE, *Matron.*
MISS WHITE, *Trained Nurse.*

The curriculum of literary studies extends through the first two years' work of the University with honours. The musical course is precisely the same as that of the Toronto Conservatory of Music, and students in the final examination compete for all honours, scholarships and medals at the Toronto Conservatory on the same terms as the students at the Conservatory. A magnificent new pipe organ is provided for the use of organ students. The departments of Fine Art, Oratory, Commercial Science and Domestic Science are in the highest degree of efficiency.

Alma College.

ST. THOMAS, ONT.

OPENED 1881.

FACULTY FOR 1906-1907.

Administrative Officers.

REV. ROBERT I. WARNER, M.A., D.D.....*Principal.*
MRS. JEAN WYLIE GREY.....*Lady Principal.*
MISS ALICE A. WILL, B.A.....*Dean of Liberal Arts.*
MISS ADA E. DEACON, B.A.....*Librarian.*
MISS ALICE F. HENWOOD, B.A.....*Registrar and Secretary of Faculty.*

Literary Department.

REV. ROBERT I. WARNER, M.A., D.D.....*Bible Study, Psychology.*
MISS ALICE A. WILL.....*English, German.*
MISS ALICE F. HENWOOD, B.A.....*Latin, French.*
MISS ADA E. DEACON, B.A.....*Mathematics, Science.*
MISS DOROTHY EDGE.....*Preparatory English.*

Music.

MR. THOMAS MARTIN, *Pianoforte, Concert Solos.*
MR. ROSELLE POCOCKE, *Violin.*
MR. J. H. JONES, *Organ, Pianoforte, Harmony, Choral.*
MRS. EMMA E. KAINS, *Guitar, Mandolin, etc.*
MISS LILY CROSSLEY, *Singing, Concert Solos.*
MISS HATTIE A. JOLIFFE, *Piano.*
MRS. MARY J. JOLLIFFE, *Singing.*
MISS GERTRUDE HUNTLEY, *Violin.*

Fine Art.

MR. F. M. BELL-SMITH, R.C.A., Honorary Director, *Lecturer on "Art Schools in Europe."*
WM. ST. THOMAS SMITH, A.R.C.A., Director, *Painting, Drawing and Sketching.*
MR. J. H. COYNE, B.A., F.R.S.C., *Lecturer.*
MISS S. M. MCKAY, *China Painting.*
MISS M. RICHARDSON, *Drawing, Painting, Pen and Ink.*

Commercial Science.

MR. MAURICE B. FARR, *Bookkeeping, Phonography, Typewriting and Penmanship.*

MR. C. F. MAXWELL (Barrister), *Lecturer in Commercial Law.*

MISS ADDIE THOMAS, *Shorthand.*

Elocution and Physical Culture.

MISS MAY WALKER, A.T.C.M., *Reading, Expression, Physical Culture.*

MISS JENNIE DRENNAN, M.D., *Medical Superintendent of Physical Training.*

Domestic Science.

MISS ALLENE NEVILLE, *Cookery, Dietaries, Sewing.*

Diploma Courses.

(*a*) M.L.A. and M.E.L., embracing Senior and Junior University Matriculation, with options and additional subjects in Bible Study, etc.

(*b*) Music (Piano, Organ, Voice, Violin).

(*c*) Fine Art.

(*d*) Elocution.

(*e*) Commercial and Shorthand.

(*f*) Domestic Science and Art.

Columbian College.

NEW WESTMINSTER, B.C.

Founded 1892.

Administrative Officers.

Rev. W. J. Sipprell, B.A., D.D. ..... *Principal.*
P. McD. Kerr, B.A. ..... *Registrar.*
Miss M. G. Millichamp, B.A. ..... *Lady Principal.*
A. E. Etherington. ..... *Librarian.*
Rev. J. P. Bowell. ..... *Bursar-Steward.*

FACULTY.

Rev. W. J. Sipprell, B.A., D.D., Principal; *Theology, Philosophy.*
Prof. P. McD. Kerr, M.A., *Classics, Orientals, History.*
Prof. P. McD. Kerr, B.A., *Classics, Orientals, History.*
Prof. J. Porter, B.E., *Science.*
Miss M. G. Millichamp, B.A., *English, German, French, Italian, History.*
Miss S. Bristol, B.A., *English, German, French, Spanish.*
Prof. A. E. Etherington, *Commercial Branches.*
Mr. G. C. Davidson, *English Branches.*
Miss M. Claxton, *Piano, Harmony, Physical Culture.*
Miss E. Walker, *Voice Culture.*
Miss Ritchie, *Sketching, Free Hand Drawing, Oil Painting.*
Miss L. K. Burns, *Elocution, Reading.*
Prof. L. Bouck, *Bookkeeping.*

Courses of Study.

Preparatory Course of one year.

Collegiate Course of four years: in the second year completing the pass work for Matriculation in Arts, Law, Medicine, Engineering, etc., in the third, the work for Senior Matriculation and first year in Arts of the University of Toronto; and in the fourth, the work for the second year in Arts of the same University.

Ladies' College Course, leading to the degrees of M.E.L. and M.L.A.

Preliminary Course, as prescribed by the General Conference of the Methodist Church.

Conference Probationers' Course.

Theological Course, leading to the degrees of S.T.L. and B.D.

Courses in Music, Piano, Violin.

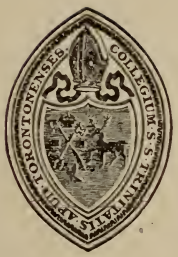
Course in Art, Geometrical and Perspective Drawing.

Courses in Stenography, Typewriting and Bookkeeping.

Course for Teachers' Certificates of all grades.

Course for B.A.: While the complete course of study for this degree is not outlined, it will be furnished upon application. Provision will be made for any students who may wish to pursue the Arts course beyond the limit outlined in this Calendar.

TRINITY UNIVERSITY
St HILDA'S COLLEGE
TRINITY COLLEGE
TRINITY COLLEGE,
TORONTO.
COLLEGE SCHOOL, Port Hope.



TRINITY COLLEGE.

Trinity College.

I. TRINITY COLLEGE, with Residence for Men.

THE REV. T. C. STREET MACKLEM, M.A., D.D., LL.D., *Provost.*
REV. H. T. F. DUCKWORTH, M.A., *Dean of Residence.*
A. H. YOUNG, M.A., *Registrar.*
G. OSWALD SMITH, M.A., *Librarian.*
THE REV. WILLIAM JONES, M.A., D.C.L., *Bursar.*

II. ST. HILDA'S COLLEGE—Residence for Women.

MISS CARTWRIGHT, *Lady Principal.*
THE REV. WILLIAM JONES, M.A., D.C.L., *Bursar.*

Trinity College, which entered into federation with the University of Toronto on the first day of October, 1904, was founded by the Honourable and Right Reverend John Strachan, D.D., LL.D., first Anglican Bishop of Toronto, one of the founders and at one time President of King's College. It was established for the purpose of combining religious instruction with a liberal education, because King's College had been secularised in 1850.

In 1851 Trinity College was incorporated by the Legislature of Canada. In 1852 a Royal Charter conferred upon it University powers, which were exercised continuously down to 1904, under the style of the University of Trinity College.

For a certain period state aid was granted to it in common with the other Universities of the Province, but was subsequently withdrawn. In 1874 the question of federation was mooted, but no serious attempt at a solution was made till about the year 1885.

As it was impossible for Trinity to accept the terms proposed at that time, the Corporation became definitely committed to a policy of expansion upon an independent basis. This policy was steadily pursued till 1903, but, with the object of helping to build up one strong university in Toronto, a special federation agreement was negotiated and finally accepted.

The College, while continuing to teach all of those subjects which, under the Acts of 1887 and 1901, are allotted to University College and Victoria College, has given up, as they

did, its teaching in the subjects assigned to the University. Its students are admitted to the University classes and examinations on exactly the same terms as those of the other two Colleges just mentioned.

Under the federation agreement, lectures on pass subjects and parts of the honour History are being delivered by the following members of the University staff in Trinity's own buildings:—In Analytical Geometry, Professor Baker; Algebra, Professor DeLury, Trigonometry, Professor Mackenzie; Biology, Professor Ramsay Wright; Geology, Professor Parks; History, Professor Wrong, Mr. Kylie, and Mr. Brown; Constitutional History, Professor McGregor Young; Economics, Professor McLean; Italian and Spanish, Professor Fraser, Professor Davidson, and Mr. Buchanan; Logic, Professor Tracy; History of Philosophy, Dr. Abbott; Psychology, Dr. Robinson. Thus it is possible for undergraduates to obtain in Trinity all of the tuition in pass subjects necessary for the degree.

The undergraduates enrolled before October, 1903, will complete their course under the Trinity Calendar then in force, provided that they do so within the next three years, that is in 1910.

Religious instruction for all its students in Arts was one of the chief reasons for the foundation of the College, and this still remains one of its distinguishing features.

Residence is another important advantage offered by the College, accommodation being provided for about 100 men students. Here they come into close contact daily with one another and with the members of the staff, both resident and non-resident. In this way a most important means of education is provided.

The women students attend lectures with the men, but they have a separate residence, in St. Hilda's College, founded in 1888 by the Reverend Dr. Body, the second Provost of Trinity College. St. Hilda's College is a new building and stands in the northwest corner of the Trinity College grounds. Hence it is convenient for attendance at lectures. It offers to women all the advantages offered to men by the Trinity College residence. All the women students, resident and non-resident, come under the supervision of an experienced Lady Principal, Miss M. Cartwright, late of Lady Margaret Hall, Oxford.

On week-days both men and women attend the morning and evening services of the chapel of their respective colleges. On Sundays, and other days for which special services are appointed in the Book of Common Prayer, they attend the Trinity College Chapel together, this latter regulation applying to residents and non-residents alike.

Though the College belongs to the Church of England, it is open without religious tests to members of other communions. They are allowed to absent themselves from the chapel services on Sundays on stating to the Provost their intention to attend a particular church of their own denomination, on the understanding that they will present from their minister a certificate of attendance, so as to satisfy the College conditions as to keeping term.

Members of other communions are not required to take the courses of study prescribed in the Church Catechism and the Prayer Book, but are allowed to substitute for them courses in the Evidences of Christianity and in Christian Ethics.

All students are required to keep term in lectures and chapels, and upon enrolling are placed under promise to obey the rules and regulations of the College.

Tuition (or registration) fees for regular and special students are the same as are paid in the other Colleges (see p. 95) and are payable to the Bursar of Trinity College. On board fees there is a discount of 10 per cent. allowed if the term's accounts are paid within one month of its opening.

Particulars as to the amount of board fees, room rents, and the like may be obtained by applying to the Provost.

HAZING.

Every student of Trinity College will be required to sign the following declaration:—

"I do solemnly promise that, so long as I remain a student of this College—

1. I will discountenance all proceedings commonly known as 'hazing' and will do my utmost to promote a healthy tone of feeling against them;

2. And, in particular, I will not interfere in any way with the personal liberty of any student, as, for example, by entering into, or remaining in, his room against his will, and I

will not subject any student, or countenance his being subjected, to any indignity of any kind whatsoever.

These promises I make fully understanding that any violation of them will render me liable to immediate expulsion from the College."

UNIVERSITY DISCIPLINE.

Every regular student of Trinity College must conform to the regulations of the University when in attendance upon University lectures and examinations. He must also pay the University's Library and other fees to the Bursar of the University.

KEEPING TERMS.

The College regulations require regular attendance at both lectures and chapels, but if a student misses more than twenty-five per cent. of the lectures delivered in the term in each course which he is required to take, he will lose his term. He must attend not less than fifty per cent. of the chapels of the term, and if residing at home, sixty per cent., of the morning chapels of Sundays and Holy-days, except as otherwise provided for.

Students in Arts who are unsatisfactory in regard to their work or conduct will not be certified to the Registrar of the University as having kept their term; and without this certificate they will not be admitted by him to the University examinations in May.

NON-MATRICULATED STUDENTS.

Students may be admitted to College by the Provost without matriculation, if he deems them to be sufficiently advanced in their studies to profit by the lectures.

GOVERNMENT OF THE COLLEGE.

By the provisions of the Royal Charter, the Government of the University of Trinity College is vested in the Corporation, which body, by an Act of the Legislature of the Province of Canada (15 Vict. ch. 32), is composed of: 1. The Bishops of the six dioceses into which the original Diocese of Toronto has been divided; 2. The Trustees; 3. The Council.

The Council is made up of the following classes of members:—

Ex Officio Members.

The Chancellor and Ex-Chancellors of the University of Trinity College, the Provost and the Dean of Residence of Trinity College, and the Registrar of the University of Trinity College.

Members Nominated.

By the Synod of each Diocese of the Province of Ontario two clergymen and two laymen.

By the Archbishop of Toronto and the Bishops of Ottawa, Niagara, Algoma, Ontario, and Huron, four members each, representing their respective dioceses or, if the Synod of the Diocese elects members, then two only shall be nominated by the Bishop.

By each Medical, Musical, or Theological College affiliated with the University of Trinity College one member.

Members Elected.

By the College Committee, one of the professors.

By the graduates in Arts and Divinity who are members of Convocation (see below), eight members, to hold office for four years, two retiring annually.

By the graduates in Law, two members, to hold office for two years, one retiring annually.

By the graduates in Medicine who are members of Convocation, two members, to hold office for two years, one retiring annually.

By the associate members of Convocation (see below), two members, to hold office for two years, one retiring annually.

By the whole Corporation, ten members, elected for four years, of whom at least two shall be engaged in educational work in the High School system of the Province.

CHANCELLOR.

(To be elected).

VICE-CHANCELLOR.

THE REV. T. C. STREET MACKLEM, M.A., D.D., LL.D.

THE CORPORATION.

THE MOST REVEREND THE LORD ARCHBISHOP OF TORONTO.
THE RIGHT REVEREND THE LORD BISHOP OF OTTAWA.
THE RIGHT REVEREND THE LORD BISHOP OF NIAGARA.
THE RIGHT REVEREND THE LORD BISHOP OF ALGOMA.
THE RIGHT REVEREND THE LORD BISHOP OF ONTARIO.
THE RIGHT REVEREND THE LORD BISHOP OF HURON.

TRUSTEES.

THE HON. MR. JUSTICE OSLER, D.C.L.

COUNCIL.

Ex-Officio Members.

Chancellor of the University of Trinity College.

THE REV. T. C. STREET MACKLEM, M.A., D.D., LL.D.,
Provost of Trinity College.

THE REV. WILLIAM JONES, M.A., D.C.L.,
Registrar of the University of Trinity College.

THE REV. H. T. F. DUCKWORTH, M.A.,
Dean of Residence.

THE REV. ARTHUR WHIPPLE JENKS, M.A., B.D.,
Professor of Divinity.
Representative Elected by the College Committee.

Elected by the Corporation.

JAMES HENDERSON, M.A., D.C.L., Toronto.
THE REV. CANON CAYLEY, M.A., D.D., Toronto.
THE REV. PROFESSOR C. J. S. BETHUNE, M.A., D.C.L., Guelph.
W. R. BROCK, ESQ., Toronto.
J. C. MORGAN, M.A., Deseronto.
LIEUT. COL. SIR H. M. PELLATT, Q.O.R., Toronto.
E. B. OSLER, ESQ., M.P., Toronto.
FREDERICK NICHOLLS, ESQ., Toronto.
PETER PERRY, M.A., Waterdown.

Nominated by the Archbishop of Toronto.

THE REV. CANON BROUGHALL, M.A., D.D., Toronto.
JOHN C. KEMP, ESQ., Toronto.
THE REV. CANON WELCH, M.A., D.C.L., Toronto.
THE REV. OSWALD RIGBY, M.A., LL.D., Port Hope.

Nominated by the Bishop of Ottawa.

J. TRAVERS LEWIS, M.A., D.C.L., Ottawa.
THE VEN. J. J. BOGERT, M.A., *Archdeacon of Ottawa.*

Elected by the Synod of Ottawa.

REV. W. M. LOUCKS, Ottawa.
REV. A. W. MACKAY, Ottawa.
LIEUT. COL., THE HON. A. J. MATHESON, M.P.P., Toronto.
J. S. R. MCNEELY, P.M., M.A., Carleton Place.

Nominated by the Bishop of Niagara.

THE REV. G. F. DAVIDSON, M.A., Guelph.
J. H. COLLINSON, M.A., Hamilton.

Elected by the Synod of Niagara.

THE REV. CANON SUTHERLAND, M.A., Hamilton...To hold office to 1907
H. GUMMER, ESQ., Guelph.....To hold office to 1907
THE VERY REV. DEAN HOUSTON, M.A., D.C.L.,
Niagara Falls. . . . .To hold office to 1908
DR. E. A. GAVILLER, Hamilton.....To hold office to 1908

Nominated by the Bishop of Ontario.

THE VEN. W. B. CAREY, M.A., *Archdeacon of Kingston.*
THE REV. RURAL DEAN BEAMISH, M.A., Belleville.

Elected by the Synod of Ontario.

THE REV. CANON BOGERT, M.A., Belleville,
THE REV. H. H. BEDFORD-JONES, M.A., Brockville.
HIS HONOUR JUDGE MCDONALD, Brockville.
LIEUT. COL. J. E. HALLIWELL, M.A., Stirling.

Nominated by the Bishop of Huron.

THE VEN. G. C. MACKENZIE, D.C.L., Brantford.
RICHARD BAYLY, K.C., M.A., London.

Nominated by Trinity Medical College.

G. A. BINGHAM, M.D., C.M., Toronto.

Nominated by the Women's Medical College.

R. B. NEVITT, B.A., M.D., C.M., Toronto.

Nominated by the Toronto Conservatory of Music.

ALBERT HAM, MUS. DOC., F.R.C.O., Toronto.

Elected by Convocation.

By Graduates in Arts and Divinity.

ELMES HENDERSON, M.A., Toronto.....To hold office to 1907
C. S. MACINNES, M.A., Toronto.....To hold office to 1907
THE REV. R. J. MOORE, M.A., Toronto.....To hold office to 1908
J. A. WORRELL, K.C., M.A., D.C.L., Toronto.....To hold office to 1908
BARLOW CUMBERLAND, M.A., Port Hope.....To hold office to 1909

THE REV. E. C. CAYLEY, M.A., Toronto.....To hold office to 1909
KIRWAN MARTIN, M.A., Hamilton.....To hold office to 1910
THE REV. T. W. POWELL, B.A., Eglinton.....To hold office to 1910

By Graduates in Law.

D. T. SYMONS, B.C.L.....To hold office to 1906
F. E. HODGINS, K.C., B.C.L., Toronto.....To hold office to 1907

By Graduates in Medicine.

F. LEM. GRASETT, M.D., C.M., Toronto.....To hold office to 1906
H. C. PARSONS, M.A., M.D., C.M., Toronto.....To hold office to 1907

Elected by Associates of Convocation.

F. GORDON OSLER, ESQ.....To hold office to 1907
J. A. KÄMMERER, ESQ.....To hold office to 1908

Secretary and Bursar.

THE REV. WILLIAM JONES, M.A., D.C.L.

Solicitor.

G. F. HARMAN, M.A.

Board of Endowment and Finances.

E. B. OSLER, ESQ., M.P., *Chairman.* FREDERIC NICHOLLS, ESQ.
W. R. BROCK, ESQ. *Vice-Chairman.*
WILLIAM MACKENZIE, ESQ. JAMES HENDERSON, M.A., D.C.L.
LIEUT. COL. SIR H. M. PELLATT, Q.O.R., J. E. SEAGRAM, ESQ., M.P.
Treasurer. REV. T. C. S. MACKLEM, M.A., D.D.
Secretary.

CONVOCATION.

Convocation, as at present organized, consists (in addition to the Chancellor, the Provost, and the Professors of Trinity College), of all graduates who pay an annual fee of five dollars. It has been placed by the Corporation in the position of a standing Committee of that body, so that its members are in this way enabled, through their representatives, formally to lay their resolutions before the governing body of the University. Moreover, it is represented by fourteen members on the Corporation. (See above.)

An annual meeting for the transaction of business and granting degrees in Divinity is held every year in Michaelmas Term.

Friends of the University who are not graduates may become associate members of Convocation by the same annual payment of five dollars. All candidates for associate membership must be approved by the Executive Committee of Convocation.

Associates have the right of speaking and of voting at annual and other meetings of Convocation. They also elect annually a member of the Council.

Members and associates of Local Associations have equal privileges in the government of the same. Each Local Association elects one member to represent it upon the Executive Committee of Convocation.

The Chancellor of the University of Trinity College is elected for a period of five years by the members of Convocation in good standing.

The Caput of Convocation consists of the Vice-Chancellor and four members of Convocation, to be elected by Convocation at the annual October meeting.

Since federation the only degrees conferred by the University of Trinity College are those in the Faculty of Divinity.

Chairman of Convocation.

R. B. BEAUMONT, M.A.

Clerk of Convocation.

PROFESSOR A. H. YOUNG, M.A.

Executive Committee.

(1) *Ex-Officio Members.* The Chairman, the Clerk, the Chancellor, the Reverend the Provost, the Registrar of the University of Trinity College, and the Dean of Residence; J. A. Worrell, K.C., M.A., D.C.L., Barlow Cumberland, M.A., and D. T. Symons, B.C.L., former Chairmen of Convocation.

(2) *Elected Members.*—

N. F. Davidson, M.A.
Lieut. Col. J. T. Fotheringham, A.M.C., B.A., M.D., C.M.
D. J. Goggin, M.A., D.C.L.
A. W. Grasett, Esq.
F. E. Hodgins, K.C., B.C.L.
Rev. Prof. Jenks, M.A.
Sidney H. Jones, Esq.
H. C. Osborne, M.A.
R. J. Reade, M.A., M.D., C.M., D.D.S.
Prof. G. O. Smith, M.A.
Norman Sommerville, M.A.
G. B. Strathy, M.A.

Scholars and Prizemen.

1906.

Arts.

FINAL.

Governor-General's medal for Science, J. G. Lee.
†Jubilee scholarship in Political Science, S. C. MacLeod.
Prize in Philosophy, W. J. McAndrew.
Prize in Modern Languages, A. H. McGreer.
Prize in English, Miss E. I. G. Jackson.
Prize in Political Science, S. C. MacLeod.
Prize in History, S. C. MacLeod.

SECOND YEAR.

Dickson scholarship in Modern Languages (Teutonic and Romance), Miss J. C. Newton.
Dickson scholarship in Science, L. V. Redman.

FIRST YEAR.

Dickson scholarship in Modern Languages, R. K. Gordon.

MATRICULATION.

Wellington scholarship in Classics, D. P. Wagner, Cornwall H. S.
Bishop Strachan scholarship in Classics, *Miss A. G. Rothwell, Harbord Street C. I.
Dickson scholarship in Modern Languages, Miss A. G. Rothwell, Harbord Street C. I.
Burnside scholarship in English, History, and Geography, **Miss L. E. O'Gorman, Renfrew H. S.
Wellington scholarship in Mathematics, Miss F. L. Dingle, Hamilton C. I.
Dickson scholarship in Science, J. H. Dixon, Iroquois H. S.

SPECIAL PRIZE OPEN TO ALL YEARS.

English Essay, L. V. Redman.

† Mr. MacLeod not proceeding in Divinity, the scholarship has been awarded to Mr. W. J. McAndrew, who had the next best standing at the Final Examination in May.

* Miss Rothwell not proceeding, the scholarship was awarded to Mr. J. H. Dixon, who stood next in order of merit.

** Miss O'Gorman not proceeding, the scholarship was awarded to Miss R. F. Alley, of St. Margaret's College, who stood next in order of merit.

DIVINITY CLASS.

3rd Year: General Proficiency, not awarded.
Old Testament Subjects, Mr. A. R. Kelley.
Greek Testament, Ds. J. A. Robinson.
Liturgics, Ds. W. L. Archer.
2nd Year: No prizes were awarded.
1st Year: General Proficiency, Ds. W. L. Archer.
Hamilton Memorial, Mr. A. R. Kelley,
His Honour Judge McDonald's Prizes for Biblical Knowledge:
(1) Mr. A. R. Kelley; (2) Ds. J. A. Robinson.

READING PRIZES.

The Osler Prize, J. B. Fotheringham, Ds. C. H. E. Smith (equal).
Proxime accessit, Mr. A. R. Kelley.
College Prize, J. B. Fotheringham.
Doolittle Prize (for improvement), A. G. de C. McMorine.

MEDICINE.

FINAL:—
W. J. Dobbie, Gold Medal and Certificate of Honour.
R. R. B. Fitz-Gerald, Silver Medal and Certificate of Honour.
E. T. Atkinson, Certificate of Honour.

SUBJECTS FOR PRIZES FOR 1907.

ENGLISH ESSAY: The Composition of the British People.
ENGLISH POEM: John Churchill, Duke of Marlborough.
LATIN VERSE: Boadicea.
LATIN ESSAY: Theodoric, King of Italy.
GREEK PROSE: Green's Short History of the English People, pp. 556-557, "Of the dangers which threatened . . . hands of the parliamentary forces."
SERMON: St. Matthew, xiii., 30.

These exercises not written in the candidate's own writing, are to be sent to the Provost before June 1st, under a motto accompanied by a sealed envelope containing the writer's name and inscribed with the motto. After the prizes are awarded, the envelopes will be destroyed unopened.

CURRICULUM IN LAW.

CURRICULUM IN LAW.

Degree of LL.B.

Candidates for the degree of LL.B. must have:—

(*a*) produced satisfactory certificates of conduct;

(*b*) matriculated in the Faculty of Law;

(*c*) passed the prescribed examinations;

(*d*) attained the age of twenty-one years.

Any person having the degree of Bachelor of Arts or of Master of Arts in the University of Toronto; or any person having the degree of Bachelor of Arts or of Master of Arts of another University, who has been admitted *ad eundem gradum* in the University of Toronto; or any person who has been admitted to the Bar by the Law Society of Upper Canada, or any person who has been admitted a student at law by the Law Society of Upper Canada, and who has passed his Intermediate Examinations as required by the said Society, provided that before he be entitled to receive the degree of LL.B. he shall have been admitted as a Barrister by the said Law Society, may enter the Faculty of Law at the Third year of the course of study in that Faculty; but prior to presenting himself for the final examination in the course of the degree of LL.B. he shall pass in addition to the examinations of the Third and Fourth Years in the Faculty of Law, the following examinations in the Faculty of Arts, viz.:—

1. ENGLISH CONSTITUTIONAL HISTORY: Honour examinations of the Second and Third Years, or the examination in the Third Year of the Undergraduate General course.

2. ENGLISH AND COLONIAL CONSTITUTIONAL LAW: Honour examination of the Third Year.

3. HISTORY OF ROMAN LAW: Honour examination of the Third Year.

4. HISTORY OF ENGLISH LAW: Honour examination of the Third Year.

5. POLITICAL ECONOMY: Honour Examinations of the Second or Third Year, or the examination of the Fourth Year in the Undergraduate General course.

6. JURISPRUDENCE: Honour examination of the Fourth Year.

7. PUBLIC INTERNATIONAL LAW: Honour examination of the Fourth Year.

8. CANADIAN CONSTITUTIONAL HISTORY: Honour examination of the Fourth Year, or examination of the Fourth Year of the Undergraduate General course.

9. FEDERAL CONSTITUTIONAL LAW: Honour examination of the Fourth Year.

Undergraduates in the Faculty of Arts who intend to proceed to the degree of LL.B. may take these examinations either during their Arts course, or during the Third and Fourth Years of their Law course.

Matriculation.

The Matriculation examination in the Faculty of Law shall be identical with the examination of the First Year in the Undergraduate General course:—English; Latin; any two of the following languages:—Greek, French, German, Hebrew, Spanish; Ancient History; Mathematics; Physics or Biology.

First Year.

The subjects of examination in the First Year in the Faculty of Law are as follows:—

(*a*) Subjects of the General course in the Faculty of Arts in which Pass standing will be required:—

1. English of the Third Year with the addition of English Composition.

2-3. Any two of the following languages of the Second Year, viz.:—Latin, Greek, French, German, Hebrew, Spanish.

4. Mediæval History of the Second Year.

5. English Constitutional History of the Third Year.

6. Ethics of the Third Year.

7. Logic of the Second Year.

8. Psychology of the Second Year.

(*b*) Subjects of the Political Science course of the Third Year, in which Honour standing will be required:—

1. English and Colonial Constitutional Law.

2. Theory of Political Economy.

3. History of English Law.

4. History of Roman Law.

Second Year.

The subjects of examination in the Second Year in the Faculty of Law shall be as follows, viz.:—

(*a*) Subjects in the Faculty of Arts in which Pass standing will be required:—

1. English of the Fourth Year of the General course.

2-3. Any two of the following languages of the Third Year of the General course:—Latin, Greek, French, German, Hebrew, Spanish.

4. Economic History of the Honour course of the Fourth Year.

(*b*) Subjects of the Political Science course, in which Honour standing will be required:—

1. Modern History of the Third Year.

2. Canadian Constitutional History.

3. Public Finance.

4. Political Philosophy.
5. Jurisprudence.
6. Public International Law.
7. Federal Constitutional Law.

Third Year.

1. Common Law.....Broom's Common Law.
2. Personal Property.....Williams.
3. Contracts.....Anson.
4. Medical Jurisprudence.....Rees.
5. Equity.....Snell.
   Marsh [History of the Court of Chancery].
6. Theory of Obligation.....Institutes of Justinian.
   Bk. 1, titles 1, 2, 3.
   Bk. 3, titles 13-39.
   Bk. 4, title 1.
   Mackenzie, Roman Law, Part III.
7. Canadian Constitutional Law. Clement.

Additional subjects for candidates for the American Law Book Company's Prize.

8. The Law of Companies; Lindley, Law of Companies.

9. Municipal Law. The Powers of Municipal Corporations to make contracts, and the manner in which they may contract; the general principles governing the exercise of these powers to pass by-laws; and their powers to create or establish highways and their liabilities with respect to the same when created.

The Act respecting municipal Institutions (R.S.O.) 1897, c. 223, and Biggar's Municipal Manual.

Each candidate for the American Law Book Company's Prize must present a thesis upon some subject relating to either of the additional subjects on or before the 31st of March in the year in which he presents himself for examination in his Third Year in the Faculty of Law.

The subject of the thesis for the Prize for 1908 is "Rights of action against municipal corporations in contracts not under corporate seal."

Fourth Year.

1. Law of Torts.....Bigelow, English ed.
   Pollock.
2. Law of Real Property.....Digby.
   Armour's Leith's Blackstone.
3. Commercial Law.....Chalmers.
   Maclaren, Bills and Notes.

4. Private International Law.....Westlake.
5. Corporations. . . . . Brice on *Ultra Vires*, Parts 1, 2 and 3.
6. Construction and operation of Statutes. . . . . Hardcastle. Harris.
7. Criminal Law. . . . . Criminal Code and amendments, excepting as regards Procedure.
8. Domestic Relations..... Eversley, Parts 1, 2 and 3.

Each candidate for the degree of LL.B. must present a thesis satisfactory to the examiners in Law, upon some subject embraced in the curriculum, on or before the 31st of March in the year in which he presents himself for examination in his Fourth Year in the Faculty of Law, or on or before the said date in any subsequent year. The subject of the thesis will be prescribed by the Senate, and will be announced at least eight months before the date upon which it is due. An oral examination on the subject of the thesis may be required at the option of the examiners in Law. Candidates for the degree may defer presenting the thesis until a subsequent annual examination, in which case the fee for examination shall be $10.

Fees.

The following fees must be paid:—

For matriculation or entrance	$10.00
For each examination after matriculation	10.00
For each supplemental examination	10.00
For the degree of LL.B	20.00
For admission *ad eundem gradum*, LL.B.	20.00

The fee for Matriculation and for each subsequent examination must be paid to the Bursar at the time the candidate makes application for the examination.

The fee for the degree must be paid to the Bursar before the candidate is admitted to the Final examination.

Examinations.

The examinations will take place in the month of May. Notice of the day when they commence will be given in January.

Every student who purposes presenting himself at any examination is required to send to the Registrar, at least six weeks before the day appointed for the examination, a paper (according to a printed form which will be provided on application) stating his standing, and whether he is a candidate for Honours or otherwise.

Candidates who at any examination have failed in not more than two subjects may present themselves for examination in such subjects at the next ensuing Supplemental examinations.

Undergraduates below the Fourth Year in the Faculty of Law, who have been rejected or who have been prevented from attending the Annual examinations in May by sickness or other cause beyond their control, may present themselves in September, at the time of the Supplemental examinations in Arts.

Candidates in the Faculty of Law shall not be required to pass an examination on those subjects in which they have already passed the required examination in the University of Toronto, or an equivalent examination in the course of studies prescribed by the Law Society of Upper Canada.

Candidates who have taken the course at the Law School are required to present to the Registrar a certificate from the Secretary of the Law Society, showing the subjects in the Law School curriculum on which the candidate has passed examinations at the said School, and such certificates shall entitle the candidate to exemption from examination on the subjects mentioned in said certificate, where said subjects are included in the University curriculum in Law.

Subject of Thesis.

The following is the subject for Thesis for candidates for LL.B. for the year 1908, viz.:—

The Jurisdiction of the Parliament of Canada in regard to the prevention and settlement of labor strikes: (1) on "local works and undertaking," (2) on "other works and undertakings." (See B.N.A.,S. 92, 10).

Degree of LL.M.

Candidates for the said Degree must have been admitted to the Degree of Bachelor of Laws, must be of the standing of one year from admission to the Degree of Bachelor of Laws, must have presented a thesis satisfactory to the examiners in Law, and to the special examiners of such thesis appointed by the Senate, on some branch of law or of the history or philosophy of law, and must have passed the following examinations in the Faculty of Law, viz.:—

1: Roman Law: Sohm, Institutes of Roman Law.

2. Criminal Law: Stephen, History of the Criminal Law (omitting chapters on History of Procedure, Summary Jurisdiction, and Indian Criminal Law.

3. History of English Law: Pollock and Maitland, History of English Law.

4. English Constitutional Law: Gneist, History of the English Constitution; Select Cases in Constitutional Law—Broom, Constitutional Law, Part II. (Relation of the Subject to the Executive); and Part III. (Relation of the Subject to Parliament); Todd, Parliamentary Government in England.

5. Canadian Constitutional Law: Lefroy on Legislative Power in Canada; and subsequent reported cases on the subject.

6. Public International Law: Freeman Snow's leading cases on International Law; Lawrence, International Law.

7. Jurisprudence: Bryce, Studies in Jurisprudence; Hall, Foreign Jurisdiction of the British Crown; Salmond, Jurisprudence.

8. Civil Code of Quebec: Code Civil of the Province of Quebec.

The thesis must be sent to the Registrar in typewritten or printed form, not later than the thirty-first day of March.

The Senate may appoint special examiners for the whole or any part of the work prescribed for examinations for said degree.

The fee for the said degree shall be thirty dollars ($30.00).

Certificates of Honour.

Certificates of Honour will be given at each examination to those students who have been placed in the first and second class of Honours. The fee for such certificates shall be one dollar.

Prizes.

The American Law Book Company's Prize of a complete set of their Cyclopædia of Law and Procedure will be awarded to the successful candidate in the Third Year who shall have obtained the highest aggregate number of marks in all the subjects of examination prescribed in the curriculum for said year, and also in the additional subjects of the Law of Companies and Municipal Law, prescribed for the said Prize, including a thesis upon some subject relating to either of those two additional subjects, and who shall be recommended for said prize by the examiners in Law and by the special examiners appointed to examine the theses submitted by such candidates.

The Edward Thompson Company's Prizes of the American and English Encyclopædia of Law and of the Encyclopædia of Pleading and Practice will be awarded to the candidates for LL.B. who shall have received the highest and second highest aggregate number of marks at the examination for that degree in the Faculty of Law in all the subjects prescribed for the Fourth Year, including the thesis upon a legal subject, required of such candidates, and who shall be recommended for the prizes by the examiners in Law, and the special examiners appointed to examine the theses submitted by such candidates.

The American Law Book Company's Prize of a complete set of their Cyclopædia of Law and Procedure will be awarded to the successful candidate for LL.M. who shall have obtained the highest aggregate

number of marks at the examination for the said degree, including a thesis upon some branch of Law or of the history or philosophy of Law, and who shall be recommended for the said prize by the examiners in Law and by the special examiners to be appointed by the Senate to examine the theses submitted by such candidates.

Works of Reference.

American and English Encyclopædia of Law; Encyclopædia of Pleadings and Practice.

The American Law Book Company's Cyclopædia of Law and Procedure.

THE FACULTY OF EDUCATION.

GENERAL INFORMATION.

The Faculty of Education was created by resolution of the Governors of the University in December, 1906. Its first curriculum was adopted in June, 1907, and it begins its first session in October, 1907.

The Faculty of Education is the University's professional School of Education. Primarily it trains candidates for diplomas as special or regular teachers, and in particular for Provincial certificates as First-class Public School teachers, and as High School Assistants and Specialists. It also gives instruction looking towards post-graduate degrees in Arts and Philosophy, and offers, for the present at least, courses for degrees in Pedagogy.

Pending the erection of its own Model Schools, the Faculty will use the Public and High Schools of Toronto for purposes of Observation and Practice-teaching. It will conduct its other exercises in the rooms of the University and its Colleges, and amid University influences.

The students in Education may use the University's library, gymnasium, athletic fields, etc., under such conditions as obtain with other students. In short, they enjoy all the privileges of the other undergraduates and are subject to the same regulations.

Application for admission to the Faculty should be made to the Registrar of the University before October 1. All fees should be paid to the Bursar.

BOARD AND LODGING.

(Extract from Calendar).

Lodging and board are readily obtainable in private boarding-houses within convenient distance of the University at a cost of from three dollars per week upwards for lodging with board; or, rooms may be rented at a cost of from one dollar per week upwards, and board obtained separately at reasonable rates. A list of accredited boarding houses is kept by the Secretaries of the Young Men's Christian Associations of University College and Victoria College, and students are recommended to consult them with reference to the selection of suitable accommodation.

RESIDENCES.

For Men.

Trinity College.....Rev. T. C. Street Macklem, Provost.
St. Michael's College.....Rev. Father Cushing, Superior.
Wycliffe College.....Rev. T. R. O'Meara, Principal.
Knox College.....Rev. Wm. MacLaren, Principal.

For Women.

Queen's Hall.....Mrs. John Campbell, Dean.
Annesley Hall.....Miss M. E. T. Addison, B.A., Dean.
St. Hilda's College.....Miss M. Cartwright, Principal

REGULATIONS AS TO COURSES.

SESSION OF 1907-1908.

I. The Session of the Faculty of Education shall begin on October 1st and close on May 31st.

II. Students in attendance in the Faculty of Education shall be classified as *Regular* students and *Occasional* students. Regular students shall be graduates in Arts of any University in the British Dominions, or shall hold Senior Teachers' academic standing under the Regulations of the Education Department of Ontario, and shall not be less than eighteen years of age.

The courses of study shall be a *General Course*, an *Advanced Course*, and *Special Courses*. Regular students shall pursue a *General* or an *Advanced Course*. Subject to the approval of the Faculty of Education, *Occasional* students may be admitted to such *Special* courses as may be offered by the Faculty.

III. A *General Course* shall consist of three parts:—

Part I.

1. The History of Education and Educational Systems, the Principles of Education, Elementary and Applied Psychology, School Administration and School Law, School Management, General Method, and Special Methods in the following subjects of the High and Public School Courses:

English, History, Geography, Mathematics, Latin, and one of the following groups:—

(a) Biology, Physics, Chemistry and Mineralogy.

(b) French and German.

(c) Greek and French.

(d) Greek and German.

2. Such a review by the student, from an academic standpoint, of the foregoing subjects as is required for the High and the Public School Courses.

Part II.

A course of instruction, both academic and professional, in the Nature Study, Elementary Science, Music, Art, Commercial Work, Constructive Work, and Household Science (for women) of the Public School Course, and the Reading and Physical Culture of both the High and Public School Courses.

Part III.

Observation and Practice Teaching in the Public and the High Schools of Toronto, with Observation in ungraded rural schools. The Observation will involve the equivalent of fifty school lesson-periods; and the Practice Teaching, the equivalent of

twenty school lesson-periods; or of more, in both cases, according to the aptitude and the progress of the student.

In both the Observation and the Practice Teaching of this Course, the emphasis will be laid upon the work of the Public Schools and the Lower School of the High Schools.

IV. An *Advanced Course* shall consist of three parts:—

Part I.

1. The History of Education and Educational Systems, the Principles of Education, Applied Psychology, School Administration and School Law, School Management, General Method, and Special Methods in the following subjects of the High and Public School Courses:

English, History, Geography, Mathematics, Latin; and one of the following groups:

(a) Biology, Physics, Chemistry and Mineralogy.

(b) French and German.

(c) Greek and French.

(d) Greek and German.

The instruction in the History of Education and Educational Systems, the Principles of Education, and Applied Psychology in this sub-section will be of an advanced character, and will assume a knowledge of elementary Psychology and Ethics.

2. Such a review by the student, from the academic standpoint, of the foregoing subjects as is required for the High and the Public School Courses.

Part II. An option is allowed between 1 and 2 of this Part.

1. A course of instruction, both academic and professional, in the Nature Study, Elementary Science, Music, Art, Commercial Work, Constructive Work, and Domestic Science (for women), of the Public School Course, and the Reading and Physical Culture of both the High and the Public School Courses.

2. A course of instruction equivalent to Course 1 preceding, and approved by the Faculty of Education, in one of the academic departments for Specialists' certificates recognized by the Education Department, with the Reading and Physical Culture of the High School Course.

Part III.

Observation and Practice Teaching as defined in Part III. of the General Course. In the case of students who elect Option 2, Part II., of an Advanced Course, the emphasis will be laid upon the work of the High Schools; and, in the case of other students, on the work of the Public Schools and the Lower Schools of the High Schools.

V. *Special* Courses shall include:

1. (a) Courses for Specialists under the Regulations of the Education Department.

   (b) A course for Inspectors of Public Schools; and

   (c) Such other Special Courses as may be defined by the Senate from time to time.

2. (a) Throughout the General and Advanced Courses, special provision will be made for candidates for diplomas as Specialists.

   (b) For a Public School Inspector's diploma there will be an examination open to those who have fulfilled the conditions prescribed by the Education Department for Public School Inspectors' certificates. The subjects of the examination will be as follows:—

Modern Systems and Tendencies in Education; School Economics; History of Public Education in Ontario; School Administration and Law; School Inspection and Supervision; including the Supervision of Instruction in all subjects of the Public School Course.

VI. Students with Senior Teachers' standing shall take the General Course. Subjects to the approval of the Faculty of Education. other Regular students may elect the General or the Advanced Course.

Regular students who complete the General or the Advanced Course will receive the diploma of their respective course.

Regular students in the General or the Advanced Course, who hold academic certificates as Specialists and who complete their special and their regular courses, will receive diplomas as Specialists.

Bachelors in Arts who obtain honour standing in one of the Advanced Courses will be entitled, under the same conditions as obtain in the Faculty of Arts, to the Master's Degree in Arts with honours. Graduates in Arts who obtain honour standing in the subjects of either Part I. or Part II., 2, of an Advanced Course may submit such standing *pro tanto* for the Doctor's degree in Philosophy.

VII. The standing of the students in attendance in a General or an Advanced Course shall be determined by the combined results of the term work and the final examinations. The term work shall consist of such exercises and other tests as the Faculty may prescribe. The aggregate of marks for the final examinations shall not be greater than the aggregate for the term work.

The regulations as to percentages, honours and supplemental examinations that obtain in the Faculty of Arts shall apply to the courses in the Faculty of Education.

An unsuccessful candidate for a diploma in the General or the Advanced Course may be required, and candidates unsuccessful in Part III. of either course shall be required to attend a second session and repeat both the term work and the final examinations. If an unsuccessful candidate be required, not to attend a second session, but to repeat the final examinations in whole or in part, he may take such examinations as may be provided, in May or September. On the recommendation of the Faculty, candidates who fail in Part I. of an Advanced Course, with Option 1, may be granted a diploma in the General Course.

VIII. 1. Regular attendance in the General and the Advanced Courses is compulsory, except for such students as are exempt from attendance under the regulations of the Education Department of Ontario, or under Section VII.

2. All students, so exempt, who are duly registered in the Faculty and who pay the annual fee of $15.00 (which shall not in this case include the fee for examination) may receive from the members of the Faculty such guidance and instruction in their courses as may reasonably be given to students not in attendance.

IX. The annual fee for the General or the Advanced Courses (with or without the course for Specialists), which shall include the library, gymnasium and examination fees, shall be $15.00. For Special Courses, or Supplemental examinations, or any cases not provided for herein, the fee schedule shall be such as obtains in the Faculty of Arts.

PROVINCIAL CERTIFICATES.

1. The Education Department accepts the courses of the Faculty of Education in the University of Toronto as follows:—

(a) The General Course and the Advanced Course with option 1, Part II., as the professional courses for a First Class Public School and a High School Assistant's Interim certificate.

(b) The Advanced Course with option 2, of Part II., as the professional course for a High School Assistant's Interim certificate.

(c) The Special Courses for Specialists as the professional course for Specialists' Interim certificates.

(d) The Special Course for Public School Inspectors, as the professional course for a Public School Inspector's certificate. (To come into effect after June, 1908).

2. Certificates of qualification may be awarded by the Education Department on the results of the examinations of the Faculty of Education as follows:—

(1) Interim High and Public School certificates, one or both as the case may be.

(a) To students who have attended regularly and have fulfilled the conditions prescribed by the Education Department for candidates for teachers' certificates, and who have obtained in each of Parts I., II., and III. of their courses, 40% of the marks for each subject, and 60% of the aggregate of the marks for the term's work and final examinations.

(b) On the recommendation of the Faculty of Education, to students in attendance in an Advanced Course with option 1, of Part II., who have failed in Part I., but who have fulfilled the other conditions of (a) above.

(c) To students who are exempt from attendance and from the examination in Part III. of either the General or the Advanced Course and have fulfilled the conditions prescribed by the Education Department for candidates for teachers' certificates, and who have obtained at the examinations in each Parts I. and II. of their courses 40% of the marks for each subject and 60% of the aggregate of marks.

(2) Interim Specialists' certificates:—

(a) To candidates in attendance who have fulfilled the conditions of the General or the Advanced Course and who have obtained 60% of the marks assigned to the term's work and final examinations in the Special Course of their department.

(b) To candidates who are exempt from attendance and who have obtained 60% of the marks assigned the paper in their department.

(3) Public School Inspectors' certificates:—

To candidates who have obtained 40% of the marks for each subject and 60% of the aggregate.

3. (1) Candidates for Interim High and Public School certificates in attendance in the Faculty of Education, who have passed in Part III., shall take at their final examinations both Parts I. and II. of the General or of the Advanced Course, as the case may be.

(2) Candidates who have passed in Part III., but who fail in either Part I. or Part II., or in both Parts, may, on the recommendation of the Faculty, complete their courses at a subsequent examination without further attendance.

Candidates who fail in Part III. shall take another session.

(3) Candidates for Interim High and Public School certificates, who are exempt from attendance under the Regulations of the Education Department, or under the conditions of (2) above, may take Part I. of either the General or the Advanced Course at the May examination, and either Part I. or Part II. of said Course or both of said Parts at the September examination.

(4) Candidates for Public School Inspectors' certificates, and candidates for Specialists' certificates, who are exempt from attendance, may take their examinations in May or September.

4. Teachers who have been granted only High School Assistants' Interim certificates may, without further attendance, obtain First Class Public School Interim certificates as well, by passing the examinations in the subjects of option 1, Part II. of the Advanced Course.

5. Teachers who hold First Class Public School or High School Assistants' certificates, interim or permanent, may, without further attendance, obtain Specialists' interim standing, provided they hold the necessary academic certificate and pass the professional examinations for such standing in the Special Courses prescribed by the Faculty of Education.

6. Teachers who hold permanent Second Class certificates, with at least Senior Teachers' academic standing, and who have taught successfully for at least five years, may write at the examination without taking the prescribed session, or being required to pass in Part III. (Observation and Practice Teaching) of either the General or the Advanced Course.

7. A student preparing for a certificate of qualification issued by the Education Department may take in addition to the subjects of his course in the Faculty of Education, a course in a subject recognized by the Education Department for academic certificates, but only with the consent of the Faculty of Education; and no such course shall be allowed to interfere with his regular course as prescribed in the Faculty of Education.

8. Candidates for Specialists' certificates under the Regulations of the Education Department shall have their academic standing approved by the Education Department before entering upon their special courses.

9. Subject to the approval of the Minister of Education, the Faculty of Education may make such modifications of the scheme of optional groups in III., Part I., and in IV., Part I., as will suit the condition of candidates who obtained their academic standing in courses other than those recognized in the Regulations of 1904.

DETAILS OF COURSES.

(The bibliographies given in these details are merely *suggestive.* No text-books are *required.* The first book mentioned in each bibliography is to be preferred.)

PART I.

History of Education, and Educational Systems.

General Course:—Evolution of Education in Primitive Society. Oriental Education. Greek Life and Education. Roman Life and Education. Education in the Middle Ages. Scholasticism and the Rise of the Universities. Renaissance and the Rise of Humanism. Reformation and Counter-Reformation. Realism and Science in Education. Education according to Nature. Psychological and Sociological Aspects of Education. The Kindergarten. Modern Tendencies. Education in Germany, United States, Great Britain and Ontario.

References:—Quick. Educational Reformers.
Davidson. A History of Education.

Advanced Course:—The General Course as outlined above with a detailed study of special periods.

References:—Monroe. A Textbook in the History of Education.
Laurie. Pre-Christian Education.
Davidson. Education of the Greek People.
Woodward. Vittorino da Feltre and other Humanist Educators.
Laurie. John Amos Comenius.
Davidson. Rousseau and Education according to Nature.
Pinloche. Pestalozzi and the Modern Elementary School.
De Garmo. Herbart and the Herbartians.
Hughes. Froebel's Educational Laws for all Teachers.

PRINCIPLES OF EDUCATION:

General Course:—Education as a Science. Meaning and Aim of Education. Its Foundations. Factors in Education. Unity of Mental Life. Development of Self Activity. Emotions, Habit, and Will in Education. Sensory and Motor Training. Training of Attention, Memory, and Judgment. Courses of Study. Interrelation of Subjects. Educational Values. Method in Teaching, etc.

References:—Horne. Philosophy of Education.
Dewey. School and Society.
Dewey. Ethical Principles underlying Education.
Butler. The Meaning of Education.

Advanced Course.

An intensive study of the subjects as outlined in the General Course.

References:—The text-books mentioned in the General Course.
Spencer. Essay on Education.
Bain. Education as a Science.
Dewey. The Child and the Curriculum.

PSYCHOLOGY:

General Course:—Physical Basis of Mind. Inborn Tendencies. Sensation. Perception. Attention. Memory. Imagination. Conception. Apperception. Judgment and Reasoning. Feeling and Emotions. Interest. Habit. Will. Character. Development of Motor Ability. Curiosity. Suggestion and Imitation. Heredity and Environment. Adolescence and Child Study.

References:—James. Talks to Teachers.
Kirkpatrick. The Fundamentals of Child Study.

Advanced Course.

The General Course as outlined above with a study of special problems in Education.

References:—Bagley. The Educative Process.
Thorndike. Educational Psychology.
Thorndike. Notes on Child Study.
Harris. The Psychologic Foundations of Education.
Hall. Adolescence.

SCHOOL ADMINISTRATION AND LAW.

Problems in School Administration. Functions of Various Types of Schools. State and School. Forms of Education Control. Executive and Legislative Functions of School Boards and School Officers. Business Administration. Sites and Buildings. Compulsory Education. Industrial Education. Schools for Delinquents and Defectives. School and Society. Co-operation of Schools with other Educational Agencies. School Law and Regulations of Ontario.

References:—The School Law and Regulations of Ontario.
Hanus. A Modern School.

SCHOOL MANAGEMENT.

Moral and Intellectual Purposes of Schools. Discipline. Incentives. Punishments. Organization. Grading. School Hygiene. Programmes and Time-Tables. Recitations and Questioning. Examinations.

References:—Bagley. Class-Room Management.
Shaw. School Hygiene.

GENERAL METHOD.

Meaning of Instruction. Instruction and Education. Psychologic Foundations of Method. General Principles. Function of the Recitation. Conduct of the Recitation.

References:—Thorndike. Principles of Teaching.
McMurry. Method of the Recitation.

SPECIAL METHODS.

Methods of Instruction in the following subjects as outlined in the Public and High School Courses of Ontario: English—Spelling, Composition, Literature, Grammar, and Rhetoric; History; Geography; Mathematics — Arithmetic, Mensuration, Algebra, Geometry, and Trigonometry; Latin; Greek; French; German; Science—Botany, Zoology, Physics, Chemistry and Mineralogy.

References:—Text-books authorized for the Public and High Schools of Ontario.

Hinsdale. Teaching the Language Arts.
Carpenter, Baker, and Scott. The Teaching of English.
McMurry. Special Method in History.
Redway. The New Basis of Geography.
Smith. The Teaching of Elementary Mathematics.
Young. The Teaching of Mathematics in Secondary Schools.
Bennett and Bristol. The Teaching of Latin and Greek.
Widgery. The Teaching of Languages in the Schools.
Lloyd and Bigelow. The Teaching of Biology.
Smith and Hall. The Teaching of Chemistry and Physics.

PART II.

(See the Public and High School Courses of Ontario for further details of the subjects of Part II.)

Nature Study:—Animal and Plant Life and Life on the Farm. School Gardens. Observation of Farm, Garden, and Household Operations. Soils and Seasons. Water. Air. Heat.

Elementary Science:—Botany, Zoology, Physics, and Chemistry as prescribed for the Fifth Forms and the Continuation Classes of the Public Schools.

Music:—Singing, Note and Sight-work.

Art:—Freehand. Color Work. Clay Moulding. Geometrical Forms. Water-Color Sketches. Model and Memory Drawing. Freehand Perspective. Correlation with other Departments.

Commercial Work:—Writing. Book-keeping. Business Forms. Stenography. Type-writing.

Constructive Work:—Paper cutting and Folding. Basket and Raffia Work. Cardboard and Paper Construction. Ornamentation. Knife-and-Wood-Work. Use of Wood-working Tools. Exercises in Construction.

Household Science:—Needlework. Cookery. Household Economics. Correlation with other Subjects.

Reading:—Voice Training. Phonics. Oral and Silent Reading.

Physical Culture:—Physical Exercises. Games. Gymnastics. Calisthenics. Drill. Treatment of Emergencies. Personal Hygiene.
References:—The text-books authorized for the Public and High Schools of Ontario.

COURSES FOR SPECIALISTS.

Candidates for diplomas as Specialists should familiarize themselves with the recent literature on the professional phases of their special departments.

COURSE FOR INSPECTORS.

References:—Eliot. Educational Reform.
Gilman. University Problems.
Hanus. Educational Aims.
Chancellor. Our Schools — Their Administration and Supervision.
Hall. Adolescence.
Vincent. The Social Mind in Education.
Dewey. The Educational Outlook.
Dewey. The Child and the Curriculum.
Herrick. Commercial Education.
Ware. Educational Foundations of Industry.
Butler. Education in the United States.
Seeley. The German School System.
Balfour. The Educational System of Great Britain and Ireland.
Burrage and Bailey. School Sanitation and Decoration.
Briggs. Modern American School Buildings.
Hodgins. Documentary History of Education in Upper Canada.
School Law and Regulations of Ontario.
Recent Reports of the Minister of Education of Ontario.

FACULTY OF FORESTRY.

1906-1907.

President, Acting.....MAURICE HUTTON, M.A., LL.D.
Dean of the Faculty.....B. E. FERNOW, LL.D.
Registrar.....JAMES BREBNER, B.A.
Librarian.....HUGH H. LANGTON, M.A.
Bursar.....F. A. MOURÉ, ESQ.

F. B. ALLAN, M.A., PH.D.,
Lecturer in Chemistry.
ALFRED BAKER, M.A.,
Professor of Mathematics.
B. A. BENSLEY, B.A., PH.D.,
Associate Professor of Zoology.
A. P. COLEMAN, M.A., PH.D.,
Professor of Geology.
A. T. DE LURY, M.A.,
Associate Professor of Mathematics.
W. H. ELLIS, M.A., M.B.,
Professor of Applied Chemistry.
J. H. FAULL, B.A., PH.D.,
Lecturer in Botany.
B. E. FERNOW, LL.D.,
Professor of Forestry.
F. B. KENRICK, M.A., PH.D.,
Lecturer in Chemistry.
W. R. LANG, D.S.C.,
Professor of Chemistry and Director of Chemical Department.
W. J. LOUDON, B.A.,
Associate Professor of Physics.
A. B. MACALLUM, M.A., M.B., PH.D.,
Professor of Physiology.
M. A. MACKENZIE, M.A.,
Associate Professor of Mathematics.
S. J. MCLEAN, M.A., PH.D.,
Associate Professor of Political Economy.
J. C. MCLENNAN, B.A., PH.D.,
Professor of Physics and Director of the Physical Laboratory.
J. MAVOR,
Professor of Political Economy.
W. L. MILLER, B.A., PH.D.,
Associate Professor of Chemistry.
W. A. PARKS, B.A., PH.D.,
Associate Professor of Geology.

A. L. PARSONS, B.A.,
Lecturer in Mineralogy.
A. H. D. ROSS, M.A., M.S.F.,
Lecturer in Forestry.
L. B. STEWART, O.L.S., D.L.S.,
Professor of Surveying and Geodesy.
R. B. THOMSON, B.A.,
Lecturer in Botany.
T. L. WALKER, M.A., PH.D.,
Professor of Mineralogy and Petrography.
EDWARD WALKER, B.A., M.B.,
Lecturer in Biology.
R. RAMSAY WRIGHT, M.A., B.Sc., LL.D.,
Professor of Biology.
E. J. AVITZ, B.A., M.S.F.,
Class Assistant in Forestry.

The Board of Governors on March 28, 1907, decided to establish a Faculty of Forestry in the University of Toronto and elected a Dean.

By enactment of the Senate, the Faculty was declared to consist of such instructors in Forestry as the Board of Governors may appoint, together with such members of the different faculties of the University as may be called upon to furnish instruction in the Faculty of Forestry.

The Senate also approved the following requirements for matriculation and for degrees, and the course of instruction as detailed hereafter.

ENTRANCE REQUIREMENTS.

Candidates for a degree must pass the Junior Matriculation examinations of the University in English, History, Mathematics, German, and either French or Latin,—with honours in English and Mathematics; unless (1) they possess a degree in Arts, not being an honorary degree, from any Canadian or British University of approved standing; or (2) have already matriculated in the Faculty of Arts or of Applied Science and Engineering; or (3) come from other institutions whose certificates are recognized by the University of Toronto as equivalent to the above entrance requirements, and will be accepted *pro tanto*.

Applications for admission upon other than these examinations or certificates, and for advanced standing will be considered by the Faculty. During the sessions of 1907-8 and 1908-9, students who have entered the University upon other than the prescribed conditions, or who have in other institutions done equivalent University work, will be given special consideration, and their courses will be so adjusted as to permit them to transfer to the Faculty of Forestry without loss of time. The summer school of the University may also be utilized to make up deficiencies in some subjects.

In addition to the academic requirements, a robust physique and good eyesight are essential in the practice of the profession, and candidates markedly deficient in these will be advised not to proceed.

Students who have obtained the diploma of the Faculty of Applied Science and Engineering at the completion of their three years' course will be given an option for their fourth or post-graduate year to specialize in Forestry under the rules of the Faculty of Applied Science, and of the Faculty of Forestry, and be eligible both for the diploma of Forester and the degree of Bachelor of Applied Science in the University of Toronto.

Persons, *not candidates for a degree*, who are not less than 21 years of age, and who give evidence of sufficient ability, and especially of practical experience to enable them to carry on with profit University courses in the subjects of the Faculty may be nominated to the Faculty as *Special Students*. They may be admitted without examination and permitted to take up such work as they may seem qualified for, under the direction of the Dean. Such students may become regular students and candidates for the diploma or degree by fulfilling the requirements for these honours.

FEES.

The annual fee for a session is $80, which includes instruction, laboratory, library, examination and degree fees.

During the junior and senior years, from $25 to $50 should be allowed for expenses on excursions.

DEGREES.

The satisfactory completion of the four years' courses leads to the degree of Bachelor of the Science of Forestry (B.Sc.F.). The courses will be so arranged, however, that a student may obtain the preparatory training and the most essential branches of Forestry in the third year, and upon the satisfactory completion of the three years of prescribed studies a diploma of Forester will be issued, which shall entitle the holder to return at any time and to complete his work for the B.Sc.F. degree.

Graduates holding the degree of B.Sc.F. will be given the degree of Forest Engineer (F.E.) upon furnishing evidence of three years' practical employment in forestry work and the presentation of an acceptable thesis, the subject to be approved by the Faculty.

PLAN OF INSTRUCTION.

The regular course leading to the degree of Bachelor of the Science of Forestry is a four years' course, the first two years of which are mainly devoted to the study of fundamental subjects, the last two years are mainly occupied with forestry subjects, there being also time allowed,

especially in the last year, to add general educational subjects and to specialize in different directions under advice of the Dean.

The courses are distributed through the four years as follows:

I. YEAR.

1. Mathematics:
   a. *Algebra* (1), *Plane Trigonometry* (4), *Analytical Geometry* (6). Three hours through the session.
   Or, those who are inclined later to specialize on mathematical lines in forestry may substitute—
   b. [*Calculus* (13). Two hours through the session.]
2. Physics:
   Elementary Mechanics (1), *Hydrostatics* (1), *Heat* (2), and the laboratory course (3) in these. Two hours and one afternoon through the session.
3. Chemistry:
   Elementary Chemistry (1 & 2). Three hours and two afternoons through the session.
4. Biology:
   a. *Elementary Biology* (1). Two hours through the session.
   b. *Elementary Zoology* (2). One hour and two afternoons first term.
   c. *Elementary Botany* (3). One hour and two afternoons through the second term.
   d. *Descriptive Dendrology.* (For.). One hour, and two hours field work through the first term.
5. Forestry:
   Synoptical Course (1). One hour through the session.
6. *German.* One or two hours.
7. *French.* One or two hours.

Note.—Numbers after the subjects refer to numbers of the courses as designated in the Calendar of the Faculty of Arts. Courses in brackets [ ] optional.

SUMMER WORK.

8. Botanical Collection (8).

II. YEAR.

1. Chemistry:
   Elementary Organic Chemistry (3). Two hours and two afternoons.
2. Biology.
   a. *Phanerogamic Botany* (5). Two hours and two laboratory periods, through first term.

b. *Vegetable Physiology and Ecology* (11). (*Biological Dendrology.*) Two hours and two laboratory periods through second term.

3. Geology:
   a. *Elementary Mineralogy* (1 & 2). One hour through the session and twenty laboratory hours.
   b. *Petrography* (11). One hour through the session and laboratory work.
   c. *Elementary Geology* (1). One hour through the session.
   d. *Origin and Physics of Soil.* To be provided. May be placed in third year.
4. *Surveying and Map Drawing.* Two afternoons through the session.
5. *Forest Geography.* One hour through the session.

SUMMER WORK.

6. Employment on *Forest Survey* and *Field Zoology.* To be provided.

III. YEAR.

1. Chemistry:
   Physical Chemistry (7). Two hours through the session.
2. Geology:
   a. *Stratigraphical Geology and Physiography* (9 in part). Two hours through the session.
   b. *Meteorology and Climatology* (12). Two hours through first term.
3. Biology:
   a. *Cryptogamic Botany* (10 in part—Mycology).
   b. *Diseases of Trees,* a short lecture course, to be provided; the two subjects (a & b) occupying the equivalent of two hours and one laboratory period through the first term.
   c. *Economic Entomology,* including Elementary Systematic Entomology. To be provided.
4. *Surveying,* Topographical. Two afternoons through the session.
5. Forestry:
   a. *Mensuration* (2). Two hours and two afternoons through the session.
   b. *Silviculture* (3). Two hours through the session and occasional field excursions; one week at Guelph nurseries.
   c. *Forest Utilization* (4). Two hours through first term and occasional visits to woodworking establishments and lumber-camps.
   d. *Forest Protection* (5). Two hours through the second term.

IV. YEAR.

1. Mathematics:
   Actuarial Science (32). One hour and one afternoon.
2. Chemistry.
   a. *Applied Chemistry* (Fac. Applied Science). One hour through the session.
   b. [*Bio-Chemistry of Plants.* To be provided.]
3. *Political Economy.* Two hours through the session.
4. *Canadian Constitutional History* (4).
5. Forestry:
   a. *Management and Working Plans* (6). Two hours through the session.
   b. *Valuation and Finance* (7). Two hours through second term.
   c. *History of Forestry* (8). One hour through first term.
   d. *Administration* (9). One hour through first term.
   e. *Seminary in German Silvicultural Literature* (10). One hour through the session.
   f. *Timber Physics and Wood Technology.* Two hours and one laboratory period through first session.

In the fourth year considerable time is left open for electives, which may be used either for specializing in various directions, or for adding generally cultural subjects, or for supplementing in subjects in which the student feels himself deficient.

SPECIAL LECTURE COURSES.

Short lecture courses by specialists for third and fourth year students will be provided on the following topics:—

1. Elementary Law for Forestry, treating of Contracts, Damages, Real Estate, Riparian Rights, Abstracts of Titles, etc.
2. Administration of Timber Limits in Canada.
3. Business Methods of Lumber Trade.
4. Diseases of Trees and Preservation of Lumber.
5. Problems of Prairie Planting and Farm Forestry.
6. Fish Culture and Game Preservation.
7. Development of the Lumber Industry and Lumbering Methods.

FIELD WORK.

As far as practicable from time to time, short excursions will be made by third and fourth year students, to inspect woodlands, logging operations, mills and woodworking establishments, for which purpose Saturdays may be utilized.

Arrangements will be made with lumbermen to permit third and fourth year students to spend a week or ten days of the Christmas vacation in lumber camps for the purpose of becoming acquainted with the methods of their management. A report on the results of such inspection visits will be required.

Extra expenses for such excursions not to exceed $50 will have to be provided for by the student.

Eventually, it is hoped, the Government will permit the use of a forest reserve for practice ground, when six weeks following the close of the academic work will be spent in the woods by the third and fourth year students and the instructors. During this time, timber estimating, tree measurements, studies of rate of growth, forest description and forest survey, marking out for thinnings and for natural reproduction, planting, the making of working plans and other practical woodswork will occupy the students.

Eventually also, it is expected to connect with this short summer session a course for forest rangers and others who wish to obtain knowledge of the principles of forestry and a practical acquaintance with the care of woodlands and forest planting.

OPENING FOR FORESTERS.

The art of forestry is as yet hardly practised on this continent, and it is, therefore, difficult to foresee where graduates in the profession will find employment.

We may, however, judge from the history in other lines and in other countries, that *the existence of a specially educated class creates a demand for their employment.*

In the United States the first professional forestry school was established in 1898, when the same question as to the employment of the graduates arose. There was never any difficulty experienced in finding employment for them, and to-day, with half a dozen or more schools the demand for their graduates is not equalled by the supply.

That the field of private employment is widening, may be learned from the fact that, out of a graduating class of 29 at the Yale Forest School this year, only 15 are seeking employment in the Federal Service, while not less than 10 go into private employ, two are destined for the Quebec Forest Service, one for the Orange River Colony, and one for the New York State Forest Commission.

In Canada, until recently, only a very limited number of government positions were open to educated foresters, but lately three lumber companies have seen the wisdom of employing educated men on their staffs, and the example would probably be followed by others if proper men were available. The absence of such must also to some extent explain the slow progress in employing forestry principles in the handling of the timber limits and forest reservations by the Government of Canada.

That sooner or later the Government must come to a rational forest management under technically educated men admits of no doubt, and the existence of men educated at public expense would appear an earnest of the Government's desire to inaugurate such management as soon as practicable.

By inspecting the course of study laid out, it will be apparent that the education of a forester is a broad one, and fits him for many positions outside his own special field.

DESCRIPTION OF FORESTRY COURSES.

1. *Synoptical Course.* An introduction to the subjects of forestry and a survey of the economic and political aspects of timber-land management.

This course, carried on in seminary style, is designed also for students of political economy, and all those who desire a general knowledge of forestry problems. 25 hours.

2. *Descriptive Dendrology.* A taxonomic study of the forest trees of North America, laying special stress on the characteristics which lead to the recognition of the species in the field; with practice work in securing familiarity with morphological and other characteristics for identifying Canadian trees and shrubs. 25 hours.

3. *Forest Physiography and Forest Description.* The geographical distribution, botanical composition and character of forests of the world, and of North America in particular, with special reference to the ecological factors, climate and soil, influencing forest growth. Field practice in recognizing forest types and in making forest description. 25 hours.

4. *Timber Physics and Wood Technology.* Study of the histology of wood, with a view to identification of the different woods, recognition of their normal and abnormal physical characteristics and faults. Mechanical and technical properties of wood and the various technological uses dependent thereon. Lectures and laboratory work. 50 hours.

5. *Pathology of Trees and of Wood.* The diseases of trees and decay of structural timber, their recognition, causes and prevention. 25 hours.

6. *Biological Dendrology.* Life history, laws of growth of trees, their dependence on ecological factors, and silvicultural requirements of different species. 25 hours.

7. *Silviculture.* Principles and practice of the art of forest production and forest improvement, nursery practice, planting, and methods of natural reproduction. 75 hours. Practice work in addition.

8. *Forest Mensuration.* Methods of ascertaining volume of felled and standing trees, of whole forest growths, timber estimating, determining accretion of trees and stands. 100 hours, including practice work.

9. *Forest Exploitation.* Methods and means employed in the harvest of forest products, logging, transportation, milling, and preparation for

market. 50 hours, including excursions to field operations and mills, and special lectures by expert lumbermen.

10. *Business Methods in the Lumber Trade.* Description of usages in shipping, receiving and selling forest products; inspection and grading; financial methods. 10 hours.

11. *Forest Protection.* Methods of guarding against trespass, loss from fires, insect (applied entomology) and other damage to forest crops. 12 hours.

12. *Forest Management and Administration.* Principles and methods underlying the preparation of working plans for continuous wood and revenue production, and principles of administration of forest properties. 75 hours.

13. *Forest Valuation and Finance.* Methods of ascertaining money value of forest growths, and application of the principles of finance to forest management. 25 hours.

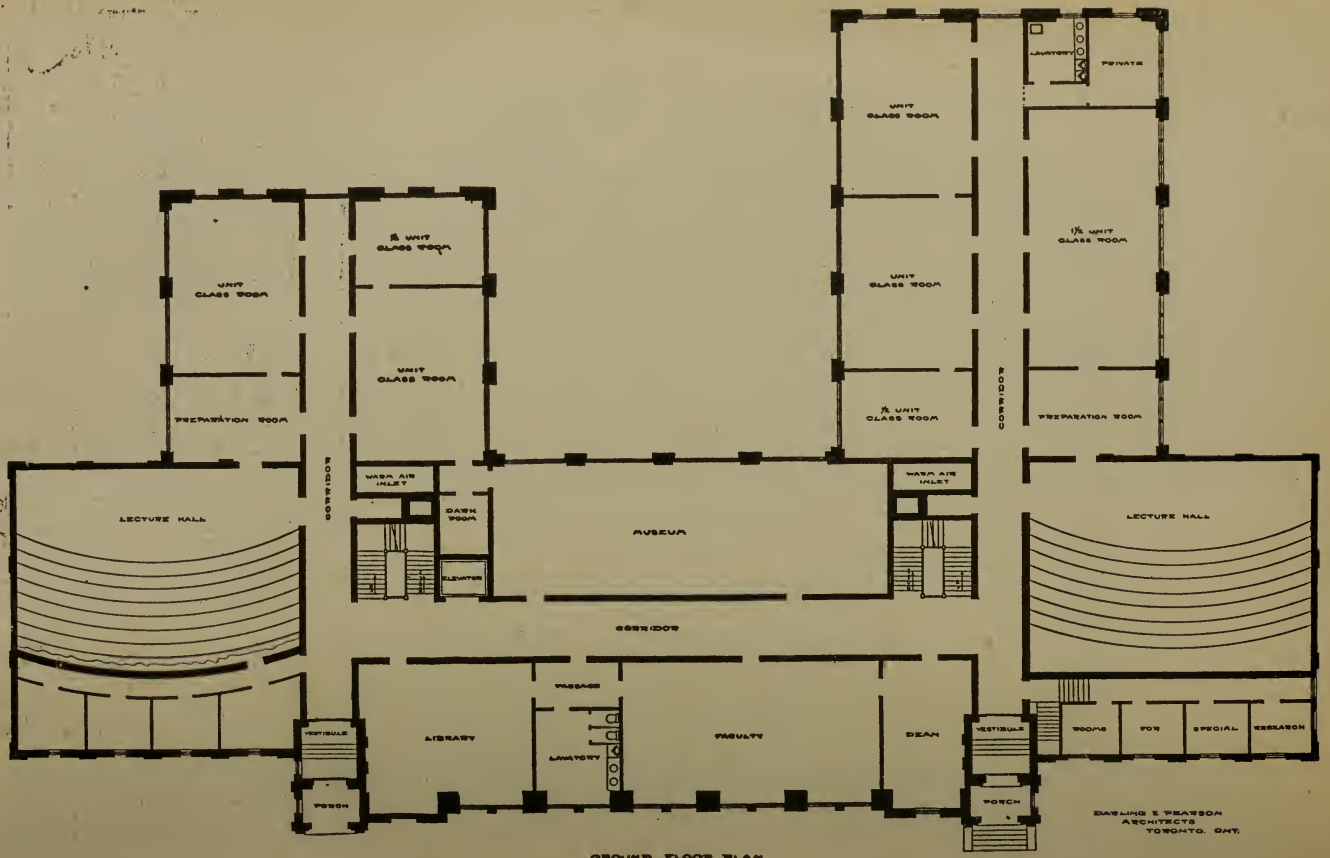
14. *History of Forestry.* Historical development of the economic and technical features of modern forestry at home and abroad. 25 hours.

15. *Administration of Timber Limits in Canada.* 5 hours, by special lectures.

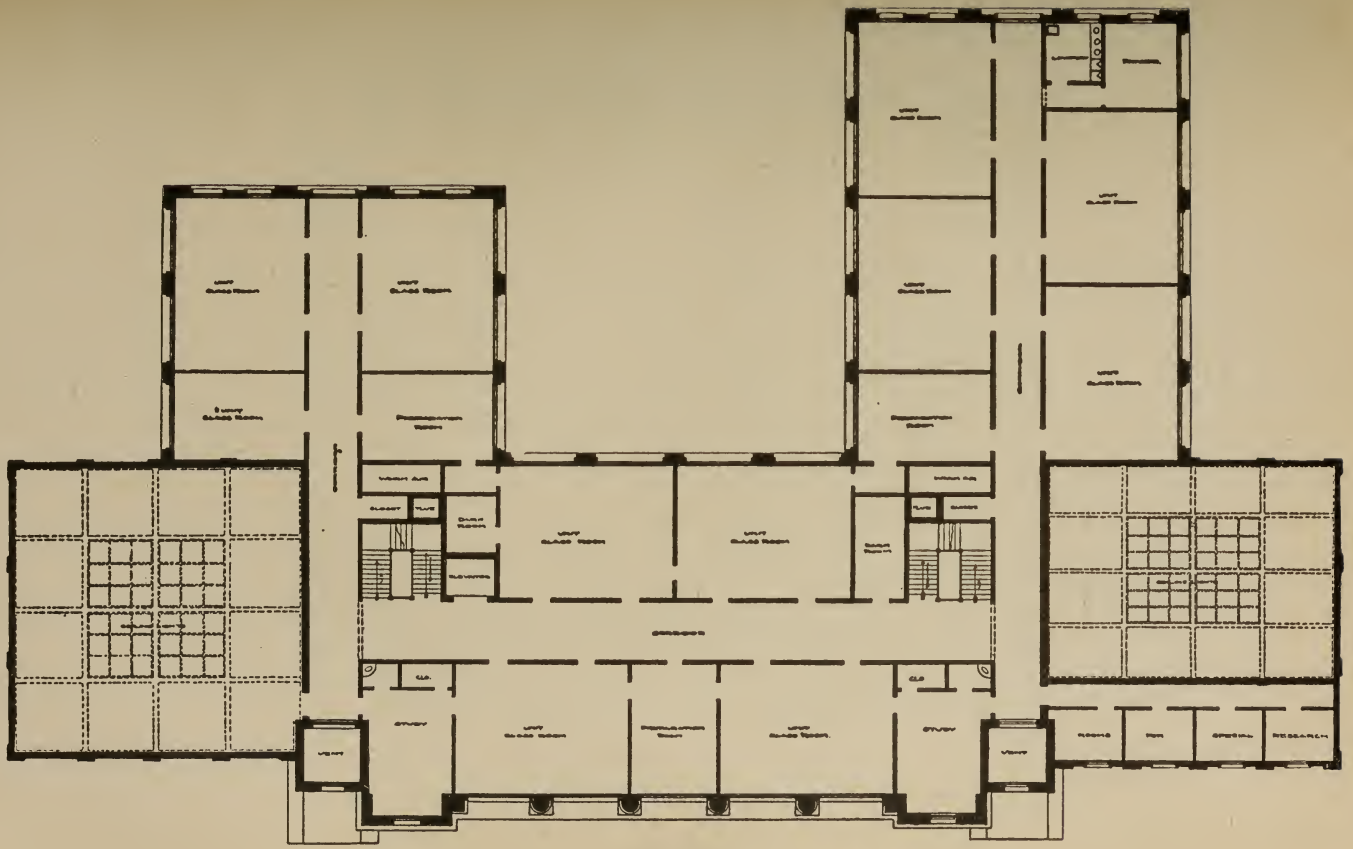
16. *Seminary in German Forestry Literature.* Reading from prominent authors, especially in silviculture. 25 hours.

In addition to the lecture and practicums at Toronto, there will be provided lectures and practical work in the woods during a summer term following the academic session, the details of which are not yet elaborated. These lectures will include the subjects of soil physics, field zoology, fish and game preservation, and logging methods.

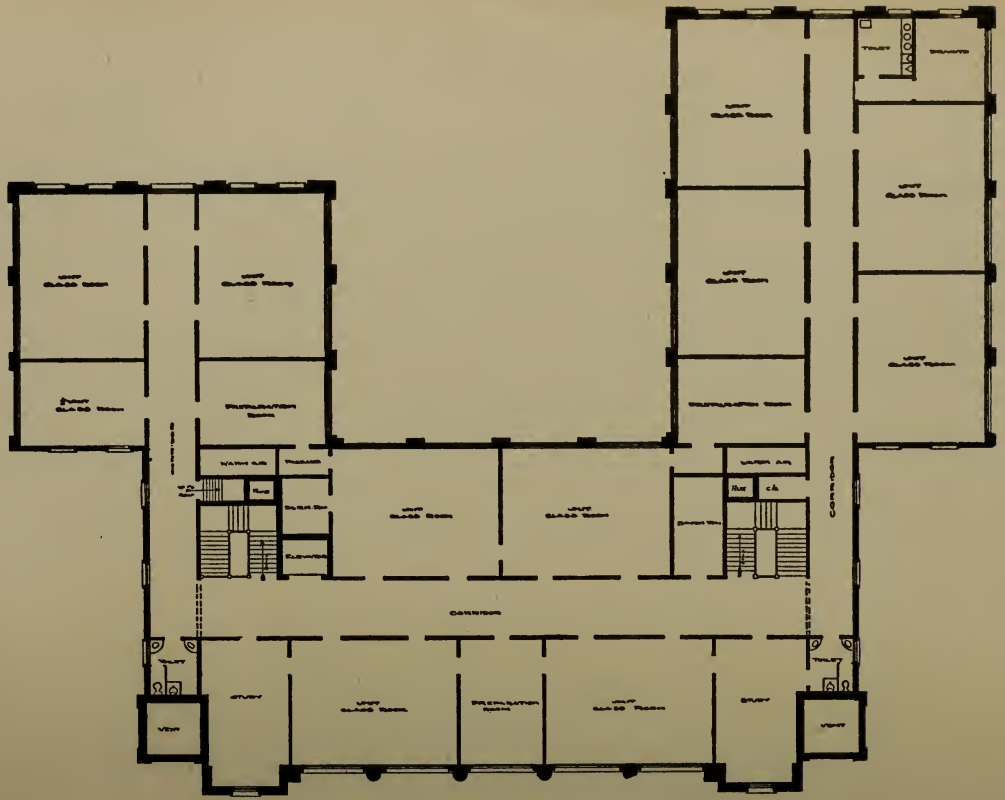
MEDICAL BUILDING.



GROUND FLOOR PLAN



—FIRST FLOOR PLAN—



SECOND FLOOR PLAN

FACULTY OF MEDICINE.

The Faculty.

President of the University (pro tempore) . MAURICE HUTTON, M.A., LL.D.
Dean of the Faculty.....R. A. REEVE, B.A., M.D., LL.D.
Secretary.....A. PRIMROSE, M.B., C.M., Edin.
Assistant Secretary.....J. J. MACKENZIE, B.A., M.B.

Professores Emeriti.

M. H. AIKINS, B.A., M.D.
W. W. OGDEN, M.D.
J. H. RICHARDSON, M.D.
UZZIEL OGDEN, M.D.

Professors, Lecturers and Demonstrators.

ANATOMY.

Professor and Director of the Anatomical Department:
A. PRIMROSE, M.B., C.M., Edin.

Associate Professor: H. WILBERFORCE AIKINS, B.A., M.B.,

Demonstrator: C. B. SHUTTLEWORTH, M.D., C.M., F.R.C.S., Eng.

Assistant Demonstrators:

W. J. MCCOLLUM, M.B.
W. J. O. MALLOCH, B.A., M.B., F.R.C.S., Eng.
S. H. WESTMAN, M.B.
GEORGE ELLIOTT, M.D., C.M.
R. E. HOOPER, B.A., M.B.
A. C. HENDRICK, M.A., M.B.
A. J. MCKENZIE, B.A., LL.B., M.B.
D. MCGILLIVRAY, M.B.
E. S. RYERSON, M.D., C.M.
F. W. MARLOW, M.D., C.M., F.R.C.S., Eng.
W. A. SCOTT, B.A., M.B., F.R.C.S., Eng.
C. J. COPP, M.D., C.M.
G. E. SMITH, B.A., M.B.

SURGERY.

Professors of Surgery and Clinical Surgery:
I. H. CAMERON, M.B., F.R.C.S., Eng., LL.D, Edin.
F. LEM. GRASSETT, M.B., C.M., F.R.C.S., Edin.
L. TESKEY, M.D., C.M.

Associate-Professor of Clinical Surgery and Clinical Anatomy:
G. A. BINGHAM, M.D., C.M., M.B.

Associate-Professors of Clinical Surgery:
A. PRIMROSE, M.B., C.M., Edin.
N. A. POWELL, M.D., C.M., M.D., Bellevue, N.Y.
W. OLDRIGHT, M.A., M.D.
H. A. BRUCE, M.D., F.R.C.S., Eng.
F. N. G. STARR, M.B.

Associate-Professor of Clinical Surgery, in charge of Orthopædics:
C. L. STARR, M.B.

Demonstrators in Clinical Surgery:
P. W. H. MCKEOWN, B.A., M.B.
C. A. TEMPLE, M.D., C.M.
A. H. GARRATT, M.D., C.M.
C. B. SHUTTLEWORTH, M.D., C.M., F.R.C.S., Eng.
T. B. RICHARDSON, M.D., C.M., F.R.C.S., Edin.
J. F. UREN, M.D., C.M.
G. SILVERTHORN, M.B.
E. S. RYERSON, M.D., C.M.

PATHOLOGY.

Professor of Pathology and Bacteriology and Curator of the Museum and Laboratories: J. J. MACKENZIE, B.A., M.B.

Associate-Professor of Pathology and Bacteriology:
J. A. AMYOT, M.B.

Laboratory-Assistant in Bacteriology:
T. D. ARCHIBALD, B.A., M.B.

Demonstrators: G. SILVERTHORN, M.B., Tor.; C. J. WAGNER, M.B.

Assistant Demonstrators:
W. H. PEPLER, M.D., C.M.
H. C. PARSONS, B.A., M.D., C.M., M.R.C.P., Lond.
M. M. CRAWFORD, M.B.
F. A. CLARKSON, M.B.
E. S. RYERSON, M.D., C.M.
G. W. HOWLAND, B.A., M.B., M.R.C.P., Lond.
C. B. O'REILLY, M.D., C.M.
H. S. HUTCHISON, M.B.

Assistant in Clinical Laboratory:
M. H. V. CAMERON, M.B.
J. H. MCPHEDRAN, M.B.

MEDICINE.

Professor of Medicine and Clinical Medicine: A. MCPHEDRAN, M.B.

Associate-Professors of Medicine:
R. D. RUDOLF, M.D., C.M., Edin., M.R.C.P., Lond.
J. T. FOTHERINGHAM, B.A., M.D., C.M.

Professor of Clinical Medicine:
J. L. DAVISON, B.A., M.D., C.M.

Associate-Professors of Clinical Medicine:
A. M. BAINES, M.D., C.M.
W. P. CAVEN, M.B.
W. B. THISTLE, M.D.
J. T. FOTHERINGHAM, B.A., M.D., C.M.
A. R. GORDON, M.B.
R. J. DWYER, M.B., M.R.C.P., Lond.
H. B. ANDERSON, M.D., C.M.

Associates in Clinical Medicine:
R. D. RUDOLF, M.D., C.M., Edin., M.R.C.P., Lond.
G. CHAMBERS, B.A., M.B.
F. FENTON, M.D., C.M.
H. C. PARSONS, B.A., M.D.. C.M., M.R.C.P., Lond.
W. GOLDIE, M.B.

Tutors in Medicine:
G. W. HOWLAND, B.A., M.B., M.R.C.P., Lond.
D. McGILLIVRAY, M.B.
T. D. ARCHIBALD, B.A., M.B.
W. J. McCOLLUM, M.B.

PREVENTIVE MEDICINE.

Professor of Preventive Medicine, Didactic and Clinical:
C. SHEARD, M.D., C.M.

MATERIA MEDICA AND THERAPEUTICS.

Professor of Materia Medica, Pharmacology and Therapeutics:
J. M. MacCALLUM, B.A., M.D.

Lecturer in Pharmacy and Pharmacology: Lecturer in Therapeutics:
V. E. HENDERSON, M.A., M.B.

Demonstrator of Pharmacy:
C. P. LUSK, M.D., C.M.

Class Assistants in Pharmacy and Pharmacology:
E. FIDLAR, B.A.
D. A. L. GRAHAM, M.B.
W. B. LARGE, B.A.
J. MacLACHLAN.
W. F. McPHEDRAN, B.A.
F. R. MILLER, B.A.

OBSTETRICS and GYNÆCOLOGY.

Professor of Gynæcology and Operative Obstetrics:
J. ALGERNON TEMPLE, M.D., C.M., McGill, LL.D.

Professor of Obstetrics:
A. H. WRIGHT, B.A., M.D.

Professor of Gynæcology:
J. F. W. ROSS, M.D.

Associate-Professor of Obstetrics and Pediatrics:
H. T. MACHELL, M.B.

Associate-Professor of Pediatrics:
A. M. BAINES, M.D., C.M.

Associates in Obstetrics:
K. C. McILWRAITH, M.B.
F. FENTON, M.D., C.M.

Demonstrator in Gynæcology:
F. W. MARLOW, M.D., C.M., F.R.C.S., Eng.

OPHTHALMOLOGY AND OTOLOGY.

Professors: R. A. REEVE, B.A., M.D., LL.D.
G. S. RYERSON, M.D., C.M
G. H. BURNHAM, M.D., F.R.S.C., Edin.

Associate-Professor: C. TROW, M.D., C.M.

Associate: J. M. MACCALLUM, B.A., M.D.

LARYNGOLOGY AND RHINOLOGY.

Professor: G. R. McDONAGH, M.D.

Associate-Professor:
D. J. GIBB WISHART, B.A., M.D., C.M., McGill.

Associate: G. BOYD, B.A., M.B.

HYGIENE.

Professor: W. OLDRIGHT, M.A., M.D.

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY.

Professor: A. B. MACALLUM, M.A., M.B., Ph.D., Johns Hopkins, Sc.D., Yale, LL.D., Aberd., F.R.S.

Demonstrator: V. E. HENDERSON, M.A., M.B.

Assistant Demonstrators:
A. C. HENDRICK, M.A., M.B.
W. F. MCPHEDRAN, B.A.
W. H. CRONYN, B.A., M.B.
E. FIDLER, B.A.
R. G. ARMOUR.
I. R. BELL, B.A.
MISS M. L. EDWARD, B.A.
W. B. LARGE, B.A.
F. C. HARRISON, B.A.
J. D. LOUDON, B.A., M.B.
P. B. MACFARLANE, B.A.
C. E. ROWLAND, B.A.

TOXICOLOGY.

Professor: W. H. ELLIS, M.A., M.B.

MEDICAL JURISPRUDENCE.

Professor: N. A. POWELL, M.D., C.M., M.D., Bellevue, N.Y.
Instructor: E. A. MCCULLOCH, B.A., M.B.

MENTAL DISEASES.

Extra-Mural Professors: N. H. BEEMER, M.B.
C. K. CLARKE, M.B.

BIOLOGY.

Professor of Biology:
R. RAMSAY WRIGHT, M.A., B.Sc., Edin., LL.D.
Associate Professor of Zoology:
B. A. BENSLEY, B.A., Ph.D.
Lecturer in Elementary Biology and Histology:
W. H. PIERSOL, B.A., M.B.
Lecturer and Laboratory Assistant:
E. BOYD, B.A.
Laboratory Assistant:
A. G. HUNTSMAN, B.A.

Class Assistants in Biology and Histology:
M. D. McKICHAN, B.A., M.B.
A. J. McKENZIE, B.A., LL.B., M.B.
E. A. McCULLOCH, B.A., M.B.
W. A. SCOTT, B.A., M.B., F.R.C.S., Eng.
E. C. COLE, B.A.
C. M. HINCKS, B.A.
P. G. BROWN, B.A.
P. G. BROWN, B.A.
I. R. BELL, B.A.
W. H. TYTLER, B.A.

CHEMISTRY.

Professor: W. R. LANG, D.Sc., Glasg., F.I.C.

Associate-Professor of Chemistry:
F. B. KENRICK, M.A., Ph.D.

Associate-Professor of Medical Chemistry:
W. T. STUART, M.B., M.D., C.M.

Lecturer: F. B. ALLAN, M.A., PH.D.

Fellow: R. B. STEWART, M.A.

Assistants: J. A. M. DAWSON, B.A.; T. B. ALLAN, B.A.; J. F. MacKEY, B. A.; R. J. MANNING, B.A.; K. J. McRAE, B.A.; A. T. STUART.

PHYSICS.

Professor:

Associate Professor and Director of the Physical Laboratory:
J. C. McLENNAN, B.A., PH.D.

Lecture Assistant: J. A. GARDINER, B.A.

Demonstrators:
E. F. BURTON, B.A., Cantab.
L. GILCHRIST, M.A.

Assistant Demonstrators:
MISS L. B. JOHNSON, M.A.
D. B. NUGENT, B.A.
W. KEAST, B.A.

COURSES OF LECTURES.

METHODS OF INSTRUCTION, WINTER SESSION, 1907-08.

CHEMISTRY.

Professor: W. R. LANG.
Associate-Professor: F. B. KENRICK.
Associate-Professor of Medical Chemistry: W. T. STUART.
Lecturer: F. B. ALLAN.
Assistants: J. A. M. DAWSON, T. A. ALLAN, J. F. MACKAY, R. J. MANNING, K. J. MCRAE, A. T. STUART.
Fellow: R. B. STEWART.

All lectures and practical work will be given in the Chemical Building. The students of the First year attend a course of lectures delivered twice a week in the large lecture theatre, on Inorganic Chemistry. This course embraces the study of the non-metallic and metallic elements and of their principal compounds, based on Mendelejeff's classification of the elements.

Tutorial Classes: In addition to the Lectures the class is divided into sections, each of which meets one day a week for further instruction in Arthmetical Chemistry.

Text-books: Remsen's College Chemistry. Newth, Inorganic Chemistry. Newell, Descriptive Chemistry. Bailey's Tutorial Chemistry (2 vols.). Book of Reference—Bloxam.

The students of the Second year attend a course of lectures on Organic Chemistry, delivered twice a week. The principles of organic analyses and the basis on which the compounds of carbon are classified are explained, and the typical compounds and derivations of the "fatty" series specially described. An elementary study of the "aromatic" series is also included in the course.

Text-Books: Remsen's Organic Chemistry. Perkin & Kipping's Organic Chemistry. Books of Reference: Bernthsen's Organic Chemistry (English edition). Richter's Organic Chemistry (2 vols.) (English edition).

The laboratory work of the First year now commences with quantitative and qualitative experiments illustrating the fundamental principles of Chemistry, this is followed by work more intimately related to analytical chemistry to which the latter part of the session is devoted.

The laboratory work of the Second year includes elementary volumetric analysis, with special application to clinical medicine and sanitary science, and the analysis of urine; and qualitative analysis as applied in toxicology and medicine.

Students working in the laboratory are provided with the necessary apparatus on making a deposit of three dollars* at the commencement of the session, which will be returned at its close after the following charges have been deducted from it:—

(1) The cost of all apparatus broken or destroyed.

(2) Any fines for breach of laboratory rules.

No certificate will be given for the practical work unless the student has passed the practical examinations conducted during the session.

*This is in addition to the fee of three dollars mentioned as "Chemical Laboratory Supply Fee," on page 161.

PHYSICS.

Professor:

Associate Professor and Director of the Physical Laboratory:
J. C. MCLENNAN.

Lecturer: L. GILCHRIST.

Lecture Assistant:
J. A. GARDINER.

Demonstrators:
E. F. BURTON.
L. GILCHRIST.

Assistant Demonstrators:
MISS L. B. JOHNSON.
D. B. NUGENT.
W. KEAST.

The work of instruction in Physics consists of a series of lectures, and a course of practical work in the laboratories.

Lectures.

The lectures on Physics will give a concise outline of the entire subject, and are intended to form a satisfactory foundation for future study in other branches of science.

The various parts will be treated in an experimental manner, and will be considered in the following order:—

1. MECHANICS:

General notions and terms, such as velocity, acceleration, mass, momentum, force, energy; together with calculations to illustrate the laws.

2. HYDROSTATICS:

Pressures and their transmission, specific gravity, and general properties of liquids and gases.

3. SOUND:

General explanation of wave-motion, reflection and interference of sound, tuning forks, organ-pipes, strings, and the musical scale.

4. HEAT:

Thermometers, expansion, specific heat, latent heat, and other ordinary phenomena.

5. LIGHT:

Laws of reflection and refraction, mirrors, prisms, lenses, microscope and telescope, colour, double-refraction and polarization.

6. ELECTRICITY AND MAGNETISM:

Laws of magnetism; voltaic cell, chemical, magnetic and heating effect of the electric current; induction, the induction-coil, dynamo, etc.

Practical Work.

The Practical Work, consisting of a laboratory course of fifty hours, designed to illustrate the principles dealt with in the lectures, will be conducted by a number of Demonstrators under the supervision of the Director of the Laboratory.

Regulations.

Deposit Fee: Each student taking the laboratory course is required to make a deposit of two dollars ($2.00) before commencing work. All supplies, apparatus broken or destroyed and all fines will be charged against this deposit, which must be renewed when exhausted. At the close of the session cash balances will be returned on a day appointed for the purpose.

BIOLOGY.

Professor of Biology: R. RAMSAY WRIGHT.
Associate Professor of Zoology: B. A. BENSLEY.
Lecturer in Elementary Biology and Histology: W. H. PIERSOL.
Class Assistants in Biology and Histology: M. D. MCKICHAN; A. J. MACKENZIE; E. A. MCCULLOUGH; W. A. SCOTT; E. C. COLE; C. M. HINCKS; P. G. BROWN; I. R. BELL; W. H. TYTLER.
Lecturer and Laboratory Assistant: E. BOYD.
Laboratory Assistant: A. G. HUNTSMAN.

1. Students of the First year will attend a course of lectures on general biology, to be given twice a week throughout the session. This course of lectures is designed as an introduction of the whole range of biological studies. After a sketch of the scope and objects of these, the lectures will treat (1) of the fundamental principles of biology, as illustrated by the simplest animals and plants, (2) of typical forms of higher plants in ascending order, (3) of typical forms of animals in a similar order, and (4) special reference will be made to those aspects of Biology of interest to students of Medicine.

2. A practical course of fifty hours' duration is conducted by Dr. Piersol in which various types are studied and which serves as an introduction to the use of the microscope.

3. A supplementary course of twenty-five lectures is given in connection with the foregoing.

4. A course of twenty-five lectures on embryology by the Professor will be chiefly devoted to the development of the external form of the organs and of the tissues of the human body, but the necessary comparative data for the proper understanding of these will be supplied by reference to the embryology of the amphibia and the birds. The student may consult the large collection of models of embryology in the Museum, which are now furnished with explanatory labels designed to supplement the instruction given in the lectures.

5. A similar series of twenty-five lectures on histology is designed to cover the general principles of Human Histology.

6. In illustration of the foregoing courses the Lecturer, with the aid of the assistants, will conduct a practical course on Histology and Embryology of one hundred hours. The student will have the opportunity of providing himself with a set of typical specimens illustrative of histology, and of

studying a carefully selected series of embryological preparations, and of becoming acquainted with the methods employed in Histology and Embryology.

THE BIOLOGICAL MUSEUM.

The University Biological Museum forms the central portion of the Biological Buildings. It is primarily intended as an educational Museum for the students taking biology as part of their University work. It is arranged in such a way as to facilitate the most elementary as well as the most advanced studies, each specimen, as far as possible, being furnished with a printed label indicating the most salient points which it is designed to illustrate. The Museum, however, being open every afternoon, is also of great interest to the general public and attracts even greater numbers of visitors than the old Natural History Museum in the University Building.

The public entrance to the Museum is situated in the west façade of the Biological Buildings, while the students gain access to the rooms through the eastern wing, in which the laboratories are located. The interior of the Museum, which occupies two floors, is sub-divided into four rooms, seventy-five by twenty-five feet in size, amply lighted by handsome windows on the north and south sides. Three of these rooms are devoted to Animal Biology, while the fourth is being arranged for the illustration of Vegetable Biology.

The public entrance opens into the north ground-floor room, the wall-cases in which contain stuffed specimens of the various orders of Mammals, which the free-standing cases between the windows illustrate the comparative anatomy and development of that class. All the show-cases are constructed of iron and plate-glass, those destined for the exhibition of smaller specimens standing on wooden storage-cases, built of cherry and cedar, and containing skins and other specimens for private study. The south ground-floor room is devoted to the remaining vertebrate classes, the wall-cases containing stuffed specimens of birds, reptiles, batrachians and fishes, and the smaller cases between the windows containing specimens illustrating the comparative anatomy and development of these classes.

A handsome staircase decorated with busts of distin-

guished biologists connects the ground-floor and the first floor; a number of wall-cases in ascending series contains a small collection of fossils from all parts of the world, as a graphic illustration of the relative position of the fossiliferous strata, and of their characteristic remains.

The south first floor contains illustrative specimens of all the remaining branches of the animal kingdom, the arthropods and molluscs being exhibited in the wall-cases and the table cases standing in the alcoves of these, while the protozoa, sponges, cœlenterates, echinoderms or worms are accommodated in the cases between the windows.

Although the Natural History Museum suffered considerable losses on the occasion of the University fire, these fortunately did not involve the large collection of models and specimens most useful from the educational point of view, while the generosity of public bodies and private individuals has largely repaired the losses referred to, so that the Museum will be found to constitute a most important addition to the instruction furnished in the lecture rooms and laboratories.

PHYSIOLOGY.

Professor of Physiology and Physiological Chemistry: A. B. MACALLUM.
Demonstrator: V. E. HENDERSON.
Assistant Demonstrators: A. C. HENDRICK, W. F. MCPHEDRAN, W. H. CRONYN, E. FIDLAR, R. G. ARMOUR, I. R. BELL, MISS M. L. EDWARDS, W. B. LARGE, F. C. HARRISON, J. D. LOUDON, P. B. MACFARLANE, C. E. ROWLAND.

Three courses of instruction are given in Physiology and Physiological Chemistry, one of which is primary, the others advanced.

1. The primary course, comprehending thirty lectures, with demonstrations, is given in the Easter Term and for students of the First year.

2. A laboratory course, equivalent to two hours a week throughout the session, will be required of each student of the First year. This course covering four months is devoted to Experimental Physiology. For this purpose the class is divided into groups of two, each couple of students working together on the whole course of experiments and throughout the period allotted for the same. Each group will be given the

complete set of instruments necessary to carry out all the experiments required in the course, and will be expected to preserve for inspection all the graphic records which they may obtain. Each student will be expected to be thoroughly familiar with the proper use of all the apparatus given him.

Students must give evidence of proficiency in this course before they will be allowed to proceed with the Advanced Course of the Second Year and the standing obtained will be considered in determining the ranking in the Class List of Second Year.

3. The advanced course of lectures, which are four a week throughout the session, is arranged for the students of the Second year. It will comprehend the subjects, Physiology and Physiological Chemistry, and it will be specially adapted to the course of laboratory work which also each student is required to take. The course of lectures will begin with a discussion of the characters and classification of the more important chemical compounds of physiological origin, but subsequently, the chemistry of the tissues, and of the various physiological fluids and excretions will be fully discussed in their natural order in the lectures on the functions of the organs.

4. An advanced laboratory course of six hours a week throughout the session is required of each student who takes the advanced course of lectures on Physiology and Physiological Chemistry.

This course is devoted to the physiology of nutrition, respiration, hearing, vision, and of the nervous system, to the practical examination of the chemistry of physiological compounds, of blood, lymph, muscle, the digestive fluids, bile, and urine, and the student will be expected to acquire a practical knowledge of the methods of Volumetric Analysis employed in the estimation of chlorides, and phosphates, and nitrogen in physiological fluids, and in the estimation of sugar, urea, and uric acid. The course in Hæmatology will comprehend the various methods of estimating the number of corpuscles of different kinds and of determining the amount of hæmoglobin. For all these purposes the laboratories for Physiological Chemistry are specially arranged.

Every student of the Second Year must attain a certain standard in the Laboratory Exercises in Physiology and

Physiological Chemistry before he will be allowed to proceed to the University examinations in Physiology.

From time to time test examinations will be held to determine the student's practical knowledge and the results of these as well as of his general work in the laboratory will be used to determine his position in the University class lists.

In the primary and advanced courses the student will be required to make good all loss through breakage or otherwise.

ANATOMY.

Professor and Director of the Anatomical Department: A. PRIMROSE.
Associate-Professor: H. W. AIKINS.
Demonstrator: C. B. SHUTTLEWORTH.
Assistant Demonstrators: W. J. MCCOLLUM, W. J. O. MALLOCH, S. H. WESTMAN, GEO. ELLIOTT, E. R. HOOPER, A. C. HENDRICK, A. J. MCKENZIE, D. MCGILLIVRAY, E. S. RYERSON, F. W. MARLOW, W. A. SCOTT, C. J. COPP, G. E. SMITH.

Lectures.—A course of lectures will be given in the Biological Department for students of the First and Second years; in this course the structure of the human body will be described in a systematic manner; the various organs of the body will be examined with their more important relations and connections. In order that the course may be more comprehensive certain principles in general morphology and development will be elucidated. The lectures will be illustrated by recent dissections, by wet and dry preparations and by drawings and diagrams. In the class-rooms a projection apparatus will be employed for the purpose of throwing upon a screen an enlarged view of the photographs, taken from the valuable preparations which are displayed for study in the Museum. This greatly facilitates the demonstration of anatomical structure before a large class; plates of these preparations will be distributed among the students.

Tutorial instruction will be given to limited classes for the purpose of studying osteology, and for the demonstration of the structure of the central nervous system and the special sense organs.

A course of lectures will be given for students of the Third and Fourth years. This course will consist of a systematic

study of the regional anatomy of the human body as applied in the practice of medicine and surgery. The lectures will be illustrated by suitable preparations, and a series of demonstrations of landmarks will be conducted on the living subject.

Demonstrations.—A series of demonstrations will be conducted for students of the Second year. In this class the main facts in gross human anatomy will be demonstrated from recent dissections.

Dissection.—The dissecting-room will be open daily from 9 a.m. until 6 p.m. on Monday, Tuesday, Wednesday, Thursday and Friday, and from 9 a.m. till 12 noon on Saturday. Students will be required to conduct their work in a systematic manner and to conform to the regulations in force in the dissecting-room. One or more of the Assistant-Demonstrators will be in attendance at all times for the purpose of superintending the work of the students, and of giving instruction. Examinations will be conducted from time to time on the parts dissected, and marks allotted for the work done. Certificates for work in practical anatomy are granted to such students only as have obtained the requisite number of marks in the examinations.

The dissecting-room is admirably adapted for the purposes of practical anatomy. It is large and well ventilated, and is equipped in such a manner as to afford every possible comfort and convenience to the student. Each student is provided with a locker for his private use. A notable feature of the dissecting-room is the excellent light, the room being lighted from the roof through extensive sky-lights, and when sunlight fails, electricity is employed with equally good effect.

Museum.—In connection with the dissecting-room a series of preparations have been mounted for the purpose of study. The disarticulated bones of the skeleton are included in this collection, together with frozen sections of the human body; wet preparations, illustrating regional anatomy, are also provided. A valuable and instructive series of Steger's models of frozen sections of His are exhibited in the Museum, together with a complete series of dissections of the brain and other preparations. Cunningham's series of models illustrating the topographical anatomy of the brain are also exhibited.

THE UNIVERSITY BIOLOGICAL MUSEUM—VIEW OF SOUTH PORTION OF GROUND FLOOR.

THE UNIVERSITY BIOLOGICAL MUSEUM—VIEW OF NORTH PORTION OF GROUND FLOOR.

Arrangements are such that a student may obtain bones from the osteological store-room, which he may take home for a limited period, if he so desire.

A pamphlet will be issued containing directions for the guidance of students of the class in anatomy, with the regulations for the dissecting-room. This should be procured by all students enrolled in the Anatomical Department.

MATERIA MEDICA AND THERAPEUTICS.

Professor of Materia Medica, Pharmacology and Therapeutics:
J. M. MACCALLUM.
Lecturer in Pharmacy, Pharmacology and Therapeutics:
V. E. HENDERSON.
Demonstrator of Pharmacy:
C. P. LUSK.
Class Assistants in Pharmacy and Pharmacology:
E. FIDLAR.
D. A. L. GRAHAM.
W. B. LARGE.
J. MACLACHLAN.
W. F. MCPHEDRAN.
F. R. MILLER.

The course in therapeutics includes: 1. General therapeutics of the nature and action of remedies generally. 2. The various forms in which medicines are administered, and the channels through which they are introduced into the system. 3. Diet, hydrotherapy, massage, electricity and climate will also be dealt with. 4. Special therapeutics of the various organs of the body. This is treated in a practical and rational manner from the standpoint of the pathological conditions underlying disease, and will be accompanied in as far as possible by clinical demonstrations.

There will be two courses of lectures in the Second year. The first course will include Materia Medica and Pharmacy. The work will be demonstrative in character, the student being familiarized with the important drugs and their preparations by daily demonstrations in the class room. The demonstrations will include the important non-official as well as the official drugs.

The method of preparing the different groups of preparations, tinctures, ointments, suppositories, etc., will be shewn to the class as far as is practically necessary.

The general principles of posology, the factors modifying the doses of drugs will also be considered, and the writing of prescriptions with a view to the practical application of the course.

The Second course of lectures will be on the pharmacological actions of the official and important non-official drugs.

A practical experimental course with special demonstrations will accompany the above lecture course. Each student will thus have an opportunity to test for himself the pharmacological action of some of the more important drugs. The drugs thus studied will in as far as possible be typical of the various pharmacological groups.

The Department possesses a very complete collection of crude and prepared drugs. These specimens are made use of in illustrating the lecture and are displayed for inspection by the students in suitable glass cases.

MEDICINE.

Professor of Medicine and Clinical Medicine: A. McPHEDRAN.
Associate Professors of Medicine: R. D. RUDOLF, J. T. FOTHERINGHAM.
Professor of Clinical Medicine: J. L. DAVISON.
Associate Professors of Clinical Medicine: ALLAN M. BAINES. W. P. CAVEN, W. B. THISTLE, J. T. FOTHERINGHAM, A. R. GORDON, R. J. DWYER, H. B. ANDERSON.
Associates in Clinical Medicine: R. D. RUDOLF, G. CHAMBERS, H. C. PARSONS, W. GOLDIE, F. FENTON.
Tutors: D. McGILLIVRAY, T. D. ARCHIBALD, G. W. HOWLAND, W. J. McCOLLUM.

These lectures are devoted to the consideration of the general principles of medicine and to the discussion of the internal diseases met with in this climate. When the subjects under consideration can be demonstrated to the whole class patients will be presented to illustrate the lectures. This method has been found of the greatest advantage. The wards and out-patient rooms of the several hospitals afford facilities for demonstrations to smaller classes. The lectures are also illustrated by lantern-slides, models, etc., from the Museum, and by morbid specimens from the Pathological Department.

The Third year class receives tutorial instruction in sections every week.

The teaching in Clinical Medicine is carried on at the Toronto General and St. Michael's Hospitals and the Victoria Hospital for Sick Children.

I.—THE STUDENTS OF THE THIRD YEAR are given instruction as follows:—

(1) In physical diagnosis, and methods of examining patients.

(2) In case-taking, they are required to report cases in the out-patient departments and wards of the hospitals.

(3) In the treatment of the more common diseases.

(4) A systematic course in clinical laboratory methods.

II.—THE GRADUATING CLASS will receive instruction as follows:—

(1) Clinical lectures in the hospital theatres.

(2) Clinical instruction in small classes in the wards of the hospitals.

(3) In preparing accurate histories and carrying out the requisite laboratory investigations of the cases assigned to them.

(4) Instruction in the various therapeutic means applicable to the cases under observation.

DISEASES OF CHILDREN.

This course comprises lectures to Third and Fourth year students on such subjects as diseases of the newly-born, infant feeding, diseases of the digestive system, the acute infectious diseases, etc. Daily clinics are held at the Hospital for Sick Children on medical and surgical cases in hospital.

PREVENTIVE MEDICINE.

Professor of Preventive Medicine, Didactic and Clinical: C. SHEARD.

The course will consist of not more than 15 didactic and not less than 50 clinical lectures on the subject of Preventive Medicine, including instruction on the Exanthemata.

Contagion and infection, management of epidemics and quarantine will be dealt with.

SURGERY.

Professors of Surgery and Clinical Surgery:
I. H. CAMERON, F. LEM. GRASETT, L. TESKEY.
Associate Professor of Clinical Surgery and Clinical Anatomy:
G. A. BINGHAM.
Associate Professors of Clinical Surgery:
A. PRIMROSE, N. A. POWELL, W. OLDRIGHT, H. A. BRUCE, F. N. G. STARR.
Associate Professor of Clinical Surgery in Charge of Orthopædics:
C. L. STARR.
Demonstrators in Clinical Surgery:
P. W. H. MACKEOWN, C. A. TEMPLE, A. H. GARRATT, C. B. SHUTTLEWORTH, T. B. RICHARDSON, J. F. UREN, G. SILVERTHORN, E. S. RYERSON.

This course of lectures comprehends:—

1. The general principles of surgery, as based upon what is known as: (*a*) The natural history of diseases of a surgical character as they affect the human frame, as, for example, abscess, ulceration, mortification, tumours, etc.; (*b*) The processes of repair and regeneration taking place in tissues, which have been diseased, such as the healing of wounds, the expulsion of foreign bodies, as bullets, dead bone, etc.; and (*c*) The part played in the economy by micro-organisms, involving a consideration of the germ theory of disease.

2. Surgical Injuries.

(*a*) Of tissues, as fractures, dislocations, and injuries to nerves, blood vessels, etc.

(*b*) Of organs contained in the so-called cavities of the body, the brain, lungs and abdominal viscera.

3. Surgical diseases, as aneurysm, varicose veins, calculus in the kidney or bladder, hernia, tuberculous disease of joints, bones, testicles, etc., pyæmia, erysipelas, etc.

4. The correction of malformations, deformities and defects, as club-foot, spinal curvatures, hare-lip, cleft-palate and other conditions usually classified under the headings of orthopædic and plastic surgery.

The course will be illustrated by plates and drawings, by specimens from the Museum and fresh specimens from the operating and post-mortem rooms, and by special reference to clinical cases falling under the immediate observation of the students in the wards of the Hospitals.

CLINICAL SURGERY.

In teaching clinical surgery, an effort is made to give as much personal instruction to each student as possible, and whenever it is practicable he is permitted to make a careful examination of the patients brought before the class. In order to facilitate this the classes are made small, and are graded to some extent according to the degree of advancement of the students in their studies. Whenever dressings are done and apparatus applied in the presence of the classes, each step of the proceeding is explained by the surgeon and the clinical clerks and dressers participate in the actual work.

During his course, each student has an opportunity of acting as clinical clerk and dresser, thus being afforded facilities for coming into that immediate contact with the patient which is so important from the point of view of practice and which lends so much additional interest to the cases in his charge.

The material available for the instruction of students is abundant, consisting of out-door and in-door patients in the Toronto General Hospital, St. Michael's Hospital and the Hospital for Sick Children. In the last-named institution may be found cases, in great numbers and varieties, illustrating all the diseases, deformities and defects, such as club-foot, hare-lip, hip-joint disease, Pott's disease, and other conditions met with most frequently in the young.

A course of practical demonstrations in the technique of antiseptic surgery and wound treatment, the methods of surgical anæsthesia, general or local; the preparation and application of retentive apparatus in fractures, and allied subjects will be given to the Third year. Bandaging and other details of minor surgery will form a part of the course.

PATHOLOGY.

Professor of Pathology and Bacteriology and Curator of the Museum and Laboratories: J. J. MACKENZIE.
Associate Professor of Pathology and Bacteriology: J. A. AMYOT.
Laboratory Assistant in Bacteriology: T. D. ARCHIBALD.
Demonstrators of Pathology:
G. SILVERTHORN.
C. J. WAGNER.
Assistant Demonstrators in Pathology:
W. H. PEPLER, H. C. PARSONS, M. M. CRAWFORD,
F. A. CLARKSON, E. S. RYERSON, G. W. HOWLAND,
H. S. HUTCHISON, C. B. O'REILLY.
Assistants in Clinical Laboratory:
M. H. V. CAMERON, J. H. MCPHEDRAN.

The course embraces lectures on general and special pathology, with demonstrations in gross morbid anatomy and pathological histology. The lectures to the Third year students will be mainly upon general pathology and bacteriology, and those to the students of the Fourth year, upon special pathology. Post-mortem examinations are performed by the Professor of Pathology at the General Hospital, and the students of the Fourth year will be expected to take part in these. Gross demonstrations are given in the Hospital mortuary and in the Pathological Laboratory, not only upon fresh material obtained from the hospitals, but upon materials obtained at other institutions in the city and upon specimens from the pathological museum.

The Pathological Laboratory is fully equipped with microscopes and other apparatus necessary for the study of pathological histology, and students of both years prepare and study about one hundred and fifty specimens of morbid tissue, the Third year students devoting their time to work in general pathology, whilst students of the Fourth year study the special pathological histology of the organs.

The clinical laboratories are under the charge of two assistants who are in constant attendance to give advice and instruction to students in their work in the examination of urine, blood, stomach contents, sputum, etc., and full records of the work of each student are preserved.

The pathological museum contains about two thousand specimens and is constantly growing, and students are given

access to the cases and are expected to make as full use of the specimens as possible in their reading.

Classes in bacteriology are held every afternoon throughout the session, and the students of the Third year are subdivided so as to give each student about eight weeks' continuous work in the bacteriological laboratory.

HYGIENE.

Professor: W. OLDRIGHT.

The student is recommended to obtain from one of the works mentioned in the list of text-books a knowledge of the subject of the next succeeding lecture. The information thus obtained will be supplemented in the lectures, and fuller consideration given to those points which require special attention on account of differences of climate, population, occupations, social and political organization, and other circumstances in Canada. Students are also guided in regard to sources of information and current literature relating to health work in this country. Visits are made to some outside institutions for practical demonstrations in subjects pertaining to Hygiene.

In addition to the theoretical teaching, practical demonstrations are given by means of various instruments and apparatus. The following subjects are embraced in the course: air, impurities and their effects, ventilation and heating; hygiene architecture; climatology: sewerage and disposal of refuse; water supplies; foods, dietaries, adulterations; occupations, physical and mental exercise and overwork: clothing; baths; duties and functions of medical officers of health and boards of health; vital statistics; sanitary legislation—federal, provincial and municipal.

Museum of Hygiene.

The enlargement of the Museum of Hygiene and additions to the apparatus and samples for teaching and illustrating the various branches of Hygiene still continue, and exhibits contributed by manufacturers and other persons interested in the subject are being constantly added.

TOXICOLOGY.

Professor: W. H. Ellis.

A series of lectures and demonstrations on toxicology is given under the following heads:—

The Nature of Poisons.

Their properties, physical, chemical and physiological.

The Occurrence of Poisons.

In nature, in the arts, and in common life. Danger from poisoning incidental to particular callings. Genesis of poisons in the dead and in the living body.

Antidotes to Poisons.

The Detection of Poisons.

Identification of poisons in the pure state. Separation from organic matter.

Post-mortem examinations for poisons.

MEDICAL JURISPRUDENCE.

Professor: N. A. Powell.
Instructor: E. A. McCulloch.

The course will embrace *inter alia* a discussion of the medico-legal aspects of the following subjects:—

Medical evidence, ordinary and expert; inquests.

Thanatology—Signs of the reality of death; *post mortem* changes; autopsies and reports.

Presumption of death and of survivorship.

Personal identity of the living and of the dead.

Causes producing violent death, such as wounds, burns and scalds, heat or cold, lightning and electricity.

Strangulation, hanging, drowning, suffocation, starvation, feigned diseases, malingerings.

Medico-legal aspects of pregnancy.

Criminal abortion, infanticide, live birth, legitimacy, impotency and sterility.

Rape and allied offences against chastity.

Life assurance; medical ethics.

Civil and criminal malpractice.

MENTAL DISEASES.

Extra-Mural Professors: N. H. BEEMER, C. K. CLARKE.

The course of lectures will be partly didactic, given in the lecture-rooms, and partly clinical, given at the Asylums. The subjects discussed will be altogether practical, and will embrace the following:—

1st. Definitions of terms in common use, and the reasons for their frequent misapplication.

2nd. Leading conditions in which a knowledge of mental diseases is necessary.

3rd. Groundwork of various classifications of mental diseases.

4th. Causes of mental diseases.

5th. Principal forms of mental diseases, with clinical illustrations.

6th. Special forms of mental diseases, with examples.

7th. Essential observations in making medical certificates, and methods of admittance to institutions.

8th. Treatment of various forms of mental diseases.

OBSTETRICS, GYNAECOLOGY AND PEDIATRICS.

Professor of Gynæcology and Operative Obstetrics:
J. ALGERNON TEMPLE.
Professor of Obstetrics: A. H. WRIGHT.
Professor of Gynæcology: J. F. W. ROSS.
Associate Professor of Obstetrics and Pediatrics: H. T. MACHELL.
Associate Professor of Pediatrics: A. M. BAINES.
Associate in Obstetrics: K. C. MCILWRAITH, F. FENTON.
Demonstrator in Gynæcology: F. W. MARLOW.

There will be two separate courses in obstetrics; one for the students of the Third year in physiological obstetrics, and the other for students of the Fourth year in pathological obstetrics.

The Third year course in physiological obstetrics will include the following: anatomy and physiology of the female organs of reproduction; physiology of pregnancy; physiology, mechanism, and management of labour; management of the puerperal state; management of the infant.

The Fourth year course on pathological obstetrics will include: diseases of pregnancy, abortion and premature labour

dystocia, accidents before and after delivery, obstetrical operations, puerperal diseases, including septicæmia.

Practical demonstrations will be given on the phatom or cadaver, and diagrams, specimens, models, etc., will be used in illustrating the various subjects treated of in the two courses.

In the department of Gynæcology instruction will be given on the various methods of examination and diagnosis; the use and application of instruments; and the symptoms, diagnosis and treatment of diseases peculiar to women.

The disorders of menstruation, leucorrhœa, chlorosis, metritis in its various forms, tumours, displacements and diseases of the uterus and ovaries, laceration of the cervix uteri and perineum, and abdominal surgery, will be treated of and illustrated by large plates, casts and morbid specimens in the didactic course, while operative gynæcology will be demonstrated in the Clinics in the Toronto General Hospital.

A special course of instruction in Disease in Children will be conducted by the Associate-Professor of Ostetrics and Pediatrics. He will be assisted in the clinical work by other members of the Faculty who are on the staff of the Hospital for Sick Children.

OPHTHALMOLOGY AND OTOLOGY.

Professors: R. A. REEVE, G. S. RYERSON, G. H. BURNHAM.
Associate Professor: C. TROW.
Associate: J. M. MACCALLUM.

In addition to the short course of didactic lectures on Diseases of the Eye and Ear at the University, practical instruction will be given four times in the week at the clinics in the Provincial (Mercer) Eye and Ear Infirmary, Toronto General Hospital.

LARYNGOLOGY AND RHINOLOGY.

Professor: G. R. MCDONAGH.
Associate Professor: D. J. GIBB WISHART.
Associate: GEOFFREY BOYD.

In the department of Larynology and Rhinology, a course of practical lectures on the commoner forms of disease of the Throat and Nose will be given, and in the General Hospital there will be clinical teaching and opportunities for examining patients on four afternoons each week.

THE TORONTO GENERAL HOSPITAL.

The following members of the Faculty are members of the staff of the Toronto General Hospital.

Consulting.

PROF. J. H. RICHARDSON, M.D.
PROF. U. OGDEN, M.D.
PROF. C. SHEARD, M.D.

Physicians.

PROF. A. MCPHEDRAN, M.B.
PROF. A. M. BAINES, M.D.
PROF. J. L. DAVISON, M.D.
PROF. W. P. CAVEN, M.B.

Surgeons.

PROF. I. H. CAMERON, M.B.
PROF. F. LEM. GRASETT, M.B.
PROF. L. TESKEY.

Assistant Surgeons.

PROF. G. BINGHAM, M.B.
PROF. A. PRIMROSE, M.B.
PROF. N. A. POWELL, M.D.
PROF. F. N. G. STARR, M.B.
PROF. H. A. BRUCE, M.B.
A. H. GARRATT, M.B.

Assistant Physicians.

PROF. J. T. FOTHERINGHAM, M.D.
PROF. W. B. THISTLE, M.B.
PROF. A. R. GORDON, M.B.
G. CHAMBERS, M.B.
W. H. PEPLER, M.D.

Out-door.

Surgeons.

C. A. TEMPLE, M.D.
PROF. C. L. STARR, M.B.
C. B. SHUTTLEWORTH, M.D.
T. B. RICHARDSON, M.D.
E. S. RYERSON, M.D.

Physicians.

PROF. R. D. RUDOLF, M.D.
W. GOLDIE, M.B.
G. ELLIOTT, M.D.
PROF. R. J. DWYER, M.B.
D. MCGILLIVRAY, M.B.

Obstetricians.

PROF. A. H. WRIGHT, M.D.
K. C. MCILWRAITH, M.B.
F. FENTON, M.D.

Gynæcologists.

PROF. J. A. TEMPLE, M.D.
PROF. J. F. W. ROSS, M.D.
F. W. MARLOW, M.B.

Pathology.

PROF. J. J. MCKENZIE, M.B.
PROF. H. B. ANDERSON, M.D.
H. C. PARSONS, M.D.
PROF. J. A. AMYOT, M.B.
W. GOLDIE, M.B.

Ophthalmology and Otology.

PROF. R. A. REEVE, M.D. PROF. C. TROW, M.D.
PROF. G. S. RYERSON, M.D. PROF. G. H. BURNHAM, M.D.
PROF. J. M. MACCALLUM, M.D.

Rhinology and Laryngology.

PROF. G. R. MCDONAGH, M.D. PROF. D. J. GIBB WISHART, M.D.
G. BOYD, M.B.

Registrars.

G. W. HOWLAND, M.B. F. W. MARLOW, M.D.

The Hospital has now 425 beds, and during the year the number of in-patients under treatment has varied from 250 to 300. During last year about 3,300 patients were admitted, and 16,000 patients received treatment in the out-door department.

All the patients in the Hospital are, as a rule, suffering from acute medical or surgical disease; the chronic cases are generally sent to the Home of Incurables or House of Providence, and the convalescent patients are sent to the Convalescent Home, recently enlarged on Well's Hill.

Clinical Training.

Clinical instruction is given in the various departments of the Hospital on all classes of patients.

I. *Theatre Lectures*:—Clinical Lectures are given on patients brought from the wards to the large theatre, by the professors of clinical medicine and of clinical surgery to the students of the Third and Fourth years.

II. *Instruction in the Wards*:—

(*a*) Medicine and Surgery:—A systematic course of bedside instruction is given to a limited class of students. Arrangements are such that each physician and surgeon or his assistant is in daily attendance for the purpose of imparting instruction at the bedside. By this means provision is made for continuous daily work in the ward, and students of both Third and Fourth years are required to avail themselves of it.

(*b*) Gynæcology:—Small classes of students receive instruction in diseases peculiar to women in the pavilion spe-

cially devoted to the treatment of such patients. These classes meet twice a week. Increased facilities have recently been provided for an out-door gynæcological clinic.

(*c*) Obstetrics:—In the Burnside Lying-in Hospital, in which there are over 200 births a year, final students are permitted to witness and assist in the conduct of *labours*. Students are also allowed to make engagements with out-patients and to attend them in confinements at their own home.

(*d*) Ophthalmology, Otology, Laryngology and Rhinology:—Diseases of the eye, ear, throat and nose are studied in the wards of the Andrew Mercer Infirmary.

III. *Surgical Operations*:—Surgical operations are performed in the large theatre every morning, or in cases of emergency at any time during the day or night when required. The theatre, which has recently been altered and enlarged, is capable of seating a large number of students, and in the completeness of its arrangements is not excelled. The facilities afforded the students situated in all parts of the room for witnessing operations in all their details are unusually good.

IV. *Out-patients Clinics*:—The recent provision which has been made for the accommodation of out-patients will afford unsurpassed facilities for instruction in the important class of diseases which here pass under observation. A physician and a surgeon are in attendance daily, and the patients serve to illustrate the instruction. The cases presenting themselves in the special departments of the Hospital devoted to diseases of the eye, ear, etc., are available in the same manner. There will also be an out-door clinic in gynæcology.

V. *Pathology*:—

(*a*) Autopsies:—These are performed at stated hours by the Professor, or the Demonstrator of Pathology. The examinations are conducted in a systematic way, and instruction on the morbid conditions found is imparted to the students. The bearings of the gross post-mortem appearances on the conditions previously found at the bedside are carefully investigated, and, when necessary, arrangements are made for further examination, microscopical and chemical. There are about 200 autopsies during the year. Recently the theatre in which autopsies are made has been completely remodelled and

every facility is provided for conducting the examinations. The light is excellent and the room capable of accommodating 150 students.

(*b*) The examination and analysis of the various fluids, excreta and pathological products of patients in the wards, are conducted in the University Hospital laboratory. Students are required to keep systematic records of the results obtained by these examinations.

Clinical Clerks and Surgical Dressers.

Clinical clerks and surgical dressers are appointed to act for limited periods. They are required to take complete histories of cases allotted to them, and to receive certificates for the same, as required by the Ontario Medical Council. Post-mortem clerks are appointed, and are required to make complete reports of all autopsies made in the post-mortem room, which is situated in the Hospital grounds. Clinical clerks and surgical dressers are also appointed in the departments of gynæcology, ophthalmology and otology.

Every student in the Department of Surgery shall be required to take the history, attend the dressing and keep the record of six cases in the Ward.

If any such cases come to operation he shall attend the same, disinfect himself, don an operating gown and come within the pale of the theatre to render such assistance as may be required of him, and to record the facts of the operation and the result. If any such come to post-mortem examination he shall attend the same, render such assistance as may be required of him and record the findings.

Students in Clinical Medicine shall be required to observe this last regulation respecting attendance at post-mortem examinations.

Resident Assistants in the Hospital.

A number of resident assistants are appointed annually from the graduates in medicine of the University, and hold their positions for one year. They will have full opportunities for acquiring experience in the general and special wards of the Hospital, and during the session they will have charge under the physicians and surgeons in the general wards.

The Appointment of Students of the Fifth Year.

Certain junior positions on the House Staff of the Toronto General Hospital will be available for students in the Fifth Year, and selection of suitable men for these positions will be made in a similar manner to that adopted in connection with the Senior House Appointments. Any candidate wishing to apply for such position should make formal application to the Hospital authorities, addressing his communication to the Secretary of the Toronto General Hospital.

LABORATORY AND HOUSE STAFF 1907-1908.

Pathological Laboratory.

D. L. GRAHAM, M.B.

Clinical Laboratory.

D. E. ROBERTSON, M.B.

Laboratory of Immune Therapy and Medical Research.

G. W. ROSS, M.B.

HOUSE STAFF.

G. S. STRATHY, M.D.
C. E. SPENCE, M.B.
J. A. KINNEAR, M.D.
A. W. BEATTIE, M.D.
A. G. WALLIS, M.B.
R. B. BURWELL, M.B.
D. H. BODDINGTON, M.B.
E. C. DICKSON, M.B.
J. C. MASSON, M.B.
W. A. LEWIS, M.D.
A. S. MOORHEAD, M.B.
R. J. MACMILLAN, M.B.
A. H. ROLPH, M.B.

HOSPITAL FOR SICK CHILDREN.

The following members of the Faculty are members of the Staff of the Hospital for Sick Children Consulting Staff.

PROF. A. MCPHEDRAN, M.B.
PROF. N. A. POWELL, M.D.

Physicians.

PROF. A. M. BAINES, M.D.
PROF. H. T. MACHELL, M.B.
PROF. J. T. FOTHERINGHAM, M.D.
PROF. W. B. THISTLE, M.D.
PROF. R. D. RUDOLF, M.D.
H. C. PARSONS, M.D.

Surgeons.

PROF. I. H. CAMERON, M.B.
PROF. A. PRIMROSE, M.B.
PROF. CLARENCE L. STARR, M.B.
PROF. F. N. G. STARR, M.B.
S. H. WESTMAN, M.B.
C. B. SHUTTLEWORTH, M.D.
W. E. GALLIE, M.B.

Ophthalmology and Otology.

PROF. J. M. MACCALLUM, M.D.

Rhinology and Laryngology.

PROF. D. J. GIBB WISHART.

Physician to the Infectious Wards.

W. GOLDIE, M.B. C. J. COPP, M.B.

Pathologist.

T. B. ARCHIBALD, M.B.

Registrars.

Surgical.	*Medical.*
E. S. RYERSON, M.B.	J. S. GRAHAM, M.B.

This large Hospital, with 160 beds, is entirely devoted to disease in children. In the clinics cases exemplifying the various diseases in infancy and childhood will be exhibited. Abundant opportunities for a personal examination of all cases will be afforded.

Resident assistants are appointed annually from the graduates in medicine of the University, and hold their position for the year. The opportunity thus afforded for obtaining a practical knowledge of this very important department of medical practice is unsurpassed.

For the current year the resident assistants are:—

R. E. WODEHOUSE, M.B.	J. MCLACHLAN, M.B.
R. A. JONES, M.B.	C. S. MCVICAR, M.B.
F. W. MANNING, M.B.	G. S. BOYER, M.B.
A. W. MCPHERSON.	W. F. MCPHEDRAN, M.B.

ST. MICHAEL'S HOSPITAL.

The following members of the Faculty are members of the staff of St. Michael's Hospital:—

Physicians.

PROF. A. MCPHEDRAN, M.B. PROF. R. J. DWYER, M.B.
PROF. H. B. ANDERSON, M.D.

Physician and Dermatologist.

GRAHAM CHAMBERS, M.B.

Surgeons.

PROF. I. H. CAMERON, M.B.	PROF. H. A. BRUCE, M.D.
PROF. A. PRIMROSE, M.B.	PROF. G. A. BINGHAM, M.D.
PROF. W. OLDRIGHT, M.D.	P. H. W. MACKEOWN, M.B.
PROF. H. W. AIKINS, M.B.	J. F. UREN, M.D.

Gynæcologist.

PROF. J. F. W. ROSS, M.D.

Assistant Obstetrician.

K. C. MCILWRAITH, M.B.

Rhinology and Laryngology.

PROFESSOR D. J. GIBB WISHART, M.D.
G. BOYD, M.B.

Pathologist.

PROF. J. A. AMYOT, M.B.

Assistant Surgeons.

C. A. TEMPLE, M.D.
A. H. GARBATT, M.D.
F. W. MARLOW, M.D.
G. SILVERTHORN, M.B.

Ophthalmology and Otology.

PROF. J. M. MACCALLUM, M.D.

Out-door Staff.

M. M. CRAWFORD, M.B.
W. J. MCCOLLUM, M.B.
C. B. SHUTTLEWORTH, M.D.

This institution is conducted as a General Hospital; where medical, surgical and obstetrical cases are admitted. The number of patients admitted last year was about 1,500. The accommodation has recently been enlarged by the addition of a new wing, so that there are now 160 beds. An operating theatre has been provided, constructed with all the necessary modern equipment for the practice of antiseptic surgery.

Clinical instruction is given in this Hospital by those members of the staff who are also on the teaching staff of the University of Toronto. Opportunity is also provided for the study of Pathology. Post-mortem examinations are conducted systematically so that students may avail themselves of the material in this department. Clinical clerks and surgical dressers are appointed from the students in attendance at the Hospital.

Resident assistants are appointed annually from the graduates in Medicine of the University of Toronto.

For the current year they are:—

F. A. ROBERT, M.B.
E. E. CLEAVER, M.B.
F. J. N. MAGWOOD, M.B.
W. A. PEART, M.B.

TEXTBOOKS.

Disease in Children:—Holt, $6; Goodhart and Still, $3.50; Koplick, $4; Dawson Williams, $3.50; Taylor and Wells, $4.

Medicine:—Osler, ($5.00); Munro, ($3.75); Strümpell, $6; Churchill and Peterson, Nervous System, $5; Forcheimer's Treatment of Internal Diseases.

Clinical Methods and Diagnosis:—Sahli's Diagnostic Method, ..; Hutchison & Rainy, Clinical Methods, $2.50; Simon, Clinical Diagnosis, 5th edit., $4.

Clinical Medicine:—Hutchison & Rainy.

Dermatology:—Crocker, $4.50; Stelwagon, $5.

Hygiene:—Parkes and Kenwood, $3; Egbert, $2.25; Wilson, $3; Harrington's Practical Hygiene, $4.25. For reference—Bergey, $3; Stevenson and Murphy, vols. 1 and 2, $12; DeChaumont's Parkes, $4; Abbott's Hygiene of Transmissible Disease, $2.50; Principles of Sanitary Science and Public Health, Sedgwick's, $3; Thresh on Water Supplies, $2.

Mental Diseases:—T. S. Clouston, $4.50; Emil Kraepelin, $4; Henry J. Berkley, $5; Stewart Paton, $4.

Anatomy:—Cunningham's Text Book, $6; Morris, $6; Gray, $6.25; Quain; Cunningham's Practical Anatomy, 2 vols., $5; Ellis's Demonstrations of Anatomy, edited by Thane, $3.75; Brodie's Atlas of Dissections, Illustrated, 4 vols., $9.50; Anatomy and Physiology of the Nervous System, L. F. Barker, $5; Deaver's Surgical Anatomy, $30; Embryology, Heisler, $2.50; Anatomy of the Nervous System, Edinger, $3; Told's Human Anatomy. Hand Atlas of Human Anatomy; Spalteholtz, translated by Barker, $18; Schultze's "Atlas of Topographical Anatomy." Human Anatomy, Sobotta; Clinical Anatomy, Eisendrath.

Physiology:—Howell, Text Book of Physiology, $4; Waller, $4; Stewart, $3.75; Tigarstedt's Physiology, trans. by Murlin; Text Book of Physiology, edited by E. A. Schäfer, 2 vols., $18; Hall's Text Book of Physiology, $4; Chapman's Physiology, $4.25; Kirk's Physiology, edited by Halliburton (English edition), $3; Brubaker's Physiology.

Histology:—Böhm, v. Davidoff and Huber, Text Book of Histology, 2nd ed., $3.50; Szymonowicz and MacCallum, Text Book of Histology and Microscopic Anatomy, $4.75; Sobotta and Huber, Hand Atlas of Human Histology and Microscopic Anatomy, $4.50. Text Book of Histology—Bailey; Normal Histology and Microscopic Anatomy, Ferguson.

Embryology:—Minot, Human Embryology; Minot, Laboratory Text Book of Embryology; McMurrich, Manual of Embryology.

Chemistry:—Remsen College Chemistry, $2, or Newth, Inorganic Chemistry; Remsen, Organic Chemistry, $1.25. Other books of

reference recommended: Bloxam's Chemistry (Inorganic and Organic); Richter, Inorganic Chemistry, $1.75; Hills, Chemistry for Students of Medicine, $3; Bernthsen's Organic Chemistry sup., 59.

Pharmacology and Pharmacy:—Cushny, Pharmacology, $3.75; Sollmann, Pharmacology, $3.75; Mitchell Bruce, Materia Medica and Therapeutics, $1.50; Heebner's Synopsis, $1.50.

Therapeutics:—Yeo's Clinical Therapeutics, 2 vols., $5.00; Hare's Practical Therapeutics, $4; Lauder Brunton, On the Action of Medicines.

Surgery:—Principles of Surgery, Nancrede, $2; Erichsen, 2 vols., $11; Walsham, $3; Treves' System, 2 vols., $12; Treves' Surgical Operations, $2; American Text Book of Surgery, $7; Manual of Surgery, Rose and Carless; Jacobson, The Operations of Surgery, $3; Operative Surgery, Bickham; Wharton's Bandaging and Minor Surgery, $3; Kocher's Operative Surgery, $5; Operative Surgery, Bryant, 2 vols.; Surgery, by American Authors, Roswell Park, $7; Kelly Diseases of the Appendix, $10; White and Martin, on Genito-Urinary Diseases, $6.50; Genito-Urinary and Venereal Diseases, Taylor; Traumatic Injuries of the Brain, Phelps, $5; Fractures and Dislocations, Stimson, $5; Fractures, Scudder, $5; Fractures, Hopkins, $4; J. Clark, on Orthopædic Surgery, $5; Fox's Atlas of Skin Diseases, $24; Genito-Urinary Diseases, Lydston, $5; American Text Book of Genito-Urinary Diseases, $7; Syphilis and Venereal Diseases Hyde and Montgomery, $4; International Clinics, $9; Bergmann and Mikulicz's Surgery, $3; Esmarch's Surgical Technique, $7; Mayo Robson on Diseases of the Stomach, $4; Moynihan, Gall-Stones, $4; Robson on Gall-Bladder, $4; Beck's Surgical Asepsis, $1.25; Röntgen Rays, Pusey-Caldwell, $5; Orthopædic Surgery, Bradford and Lovett; Whitman, Orthopedic Surgery, $5.50; Albert, Surgical Diagnosis, $3.50; Principles of Surgery, J. Jackson Clarke; Diseases of the Rectum, Gant; American Practice of Surgery, Bryant & Buck, 8 vols.; The Reference Handbook of Medical Sciences.

Midwifery:—Obstetrics, Adam Wright, $4.50; Whitridge Williams, $6; Lusk, $5; Hirst, $5; Galabin, $4; Evans, $3; Jellett, $3; Fothergill, $3; Clinical Obstetrics, Jardine, $3.75; Edgar, Obstetrics, $6; Practical Obstetrics, Grandid & Jarman.

Gynæcology:—Galabin, $2.25; Garrigues, $4; Hart and Barbour, $5; Pozzi, 2 vols., $12; Allbutt and Playfair, a System of Gynæcology, $6; Harmann, $5; Kelly, Oper. Gynæcol., 2 vols., $15; Cancer and Uterus, Cullen; Dudley, $5; Penrose, $3.75; C. A. L. Reed; Gilliam, $4; Douglas, Diseases of Abdomen. Practice of Gynæcology, Ashton. Diseases of Women, Webster. Diseases of Women, MacNaughton Jones.

Pathology:—Ziegler, General, 1 vol., $5; Special, 2 vols., $8; Delafield & Pruden, 7th edition, $5; American Text Book of Pathology, $7.50; Coplin, Manual of Pathology, fourth edition, $3.50; Mallory & Wright, Pathological Technique, 3rd edition, $3.

Bacteriology:—Muir & Ritchie, $3.75; Abbott, $2.75.

Clinical Methods:—Huchinson & Rainy, Clinical Methods, $2.50; Croftan, Clinical Urinology, $2.50; Simon, Clinical Diagnosis, by Microscopical and Chemical Methods, 5th edition, $4.

Medical Jurisprudence:—Reese, $3; American Text Book of Legal Medicine, Petersen and Haines, $10; Draper, Legal Medicine, $4; Herald, $4; Mann, $4; Luff, $6; Vivian Poore, $4; Taylor, $4.50. References: Whitthaus and Becker, $20; McLane Hamilton, $11; Greene, Life Insurance, $4; The Physician Himself, Cathell (13th ed.).

Anæsthesia:—Hewitt, $4; Probyn-Williams, $1.25; Patton, $2.

Biology:—Parker, $2.60; Huxley, $2.60.

Physics:—Gage's Principles of Physics, $1.30.

Ophthalmology:—Nettleship, $2.25; Swanzy, $3; Juler, $5.50; de Schweinitz, $5; Carter and Frost, $2.25; J. Edward Jackson, $2.50; May, $2; Posey and Wright, Diseases of the Eye, Ear, Nose and Throat, $7; May, Diseases of the Eye, $2; Vesey, Diseases of the Eye, $2; Berry, Manual of Practical Ophthalmology; Theobald, Prevalent Diseases of the Eye; Wood & Woodruff, Common Diseases of the Eye.

Otology:—Prichard's, $1.50; Field, $3.75; Buck, $2; Roosa, $5.25; Bacon's Manual of Otology, $2.

Laryngology:—Lennox Brown, $8; Bosworth, $4.50; Price Brown, $3.50; Cookley, $2.75.

Time Table, Session 1907-1908.

FIRST YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10 a.m.	†Physics.	Pract. Biology. (A) †Pract. Physics. (B) *Pract. Physiology. (B)	†Pract. Physics. (B) *Pract. Physiology (B)	†Pract. Physics. (A) *Pract. Physiology. (A)	Pract. Biology. (B) †Pract. Physics. (A) *Pract. Physiology. (A)	Practical Anatomy.
10-11 a.m.	Biology.	Pract. Biology. (A) †Pract. Physics. (B) *Pract. Physiology. (B)	†Pract. Physics. (B) *Pract. Physiology. (B)	†Pract. Physics. (A) *Pract. Physiology. (A)	Pract. Biology. (B) †Pract. Physics. (A) *Pract. Physiology. (A)	Practical Anatomy.
11-12 m.	Anatomy.	Chemistry.	*Physiology.	Biology.	Anatomy.	*Physiology.
12-1 p.m.		†Physics.	Chemistry.	†Physics.		
1-2 p.m.						
2-3 p.m.	Practical Anatomy.	Pract. Chemistry. (A) Pract. Anatomy. (B)	Biology.	Pract. Chemistry. (B) Pract. Anatomy. (A)	Practical Anatomy.	
3-4 p.m.	Practical Anatomy.	Pract. Chemistry. (A) Pract. Anatomy. (B)	Practical Anatomy.	Pract. Chemistry. (B) Pract. Anatomy. (A)	Practical Anatomy.	
4-5 p.m.	Practical Anatomy.	Pract. Chemistry. (A) Pract. Anatomy. (B)	Practical Anatomy.	Pract. Chemistry. (B) Pract. Anatomy. (A)	Practical Anatomy.	

†Michaelmas Term only. *Easter Term only.

SECOND YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9 a.m.	Materia Medica.		Materia Medica.			
9-10 a.m.	Pract. Histology. (A)	*Embryology.	Pract. Histology. (A)	Pract. Histology. (B)	Practical Physiology.	†Pract. Pharmacology. *Practical Physiology.
10-11 a.m.	Pract. Histology. (A)	Physiology.	Pract. Histology. (A)	Pract. Histology. (B)	Practical Physiology.	†Pract. Pharmacology. *Practical Physiology.
11-12 m.	Physiology.	Anatomy.	Anatomy.	Physiology.	Practical Physiology.	†Pract. Pharmacology. *Practical Physiology.
12-1 p.m.	Chemistry.	Pharmacology.	Physiology.	Anatomy.	Chemistry.	Anatomy.
1-2 p.m.						
2-3 p.m.	Pract. Anatomy. (A) Pract. Chemistry. (B)	*Histology. †Practical Anatomy.	Practical Anatomy.	†Histology. *Embryology.	Pract. Histology. (B) Pract. Chemistry. (A)	
3-4 p.m.	Pract. Anatomy. (A) Pract. Chemistry. (B)	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Pract. Histology. (B) Pract. Chemistry. (A)	
4-5 p.m.	Pract. Anatomy. (A) Pract. Chemistry. (B)	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Pract. Chemistry. (A)	

†Michaelmas Term only. *Easter Term only.

THIRD YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9 a.m.						Diseases of Children.
9-10 a.m.						Pathological Histology Demonstrations.
10-11 a.m.						Pathological Histology Demonstrations.
11-12 m.		General Pathology.	Obstetrics.	Medicine. (Third Year lecture theatre).	General Pathology.	Clinical Laboratory Methods.
12-1 p.m.						
1-2 p.m.	Clinical Laboratory Methods.	Topographical Anatomy.	Clinical Laboratory Methods.	Topographical Anatomy.	Toxicology.	
2-3 p.m.	Medicine. (Third Year lecture theatre).	Therapeutics.	Medicine. (Third Year lecture theatre).	*Therapeutics. †Gross Pathology.	Pathological Histology Demonstrations.	
3-4 p.m.	Surgery.	Obstetrics.	Surgery.	*Jurisprudence. †Gross Pathology.	Pathological Histology Demonstrations.	
4-5.30 p.m.	‡Bacteriology.	‡Bacteriology.	‡Bacteriology.	‡Bacteriology.	‡Jurisprudence.	

‡The Classes in Bacteriology and the Friday lecture in Jurisprudence for the Third Year will not begin until the 8th of November.

FOURTH YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9 a.m.						Diseases of Children.
9-10 a.m.						Obstetrics.
10-11 a.m.						Obstetrics, Special Classes.
11-12 m.						
12-1 p.m.						
1-2 p.m.	Special Pathology.	Pathological Histology.	Special Pathology.	Obstetrics.	Hygiene.	
2-3 p.m.	Medicine.	Pathological Histology.	Medicine.	Pathological Histology.	Obstetrics.	
3-4 p.m.	Surgery.	Gynæcology.	Surgery.	Pathological Histology.	Gynæcology.	
4-5 p.m.	Ophthalmology. Otology. Laryngology.			Preventive Medicine.		
5-6 p.m.						

†Michaelmas Term only. *Easter Term only.

FIFTH YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10 a.m.	†Special Pathology. ¶Laryngology and Rhinology. T. G. H. (Dr. Wishart).	‡Medicine and Clinical Medicine. T. G. H. ¶Ophthalmology and Otology. T. G. H. (Dr. Reeve).	Special Pathology.	‡Ophthalmology and Otology. T. G. H. (Dr. Trow). ¶Medicine and Clinical Medicine. T. G. H.	‡Laryngology and Rhinology. T. G. H. (Dr. McDonagh). ¶Anaesthetics. (2 Months beginning January 10, 1908). (Dr. S. Johnston).	
10-11 a.m.	†Special Pathology.	Medicine and Clinical Medicine. T. G. H.	Special Pathology.	Medicine and Clinical Medicine. T. G. H.	Surgery and Clinical Surgery. T. G. H.	
11-12 a.m.	†Special Pathology.	Medicine and Clinical Medicine. T. G. H.	Special Pathology.	Medicine and Clinical Medicine. T. G. H.	Surgery and Clinical Surgery. T. G. H.	
12-2 p.m.						
2-3 p.m.	Operations on the Cadaver. (About 6 weeks beginning January 6, 1908).	Operations on the Cadaver. (About 6 weeks beginning January 6, 1908).	Operations on the Cadaver. (About 6 weeks beginning January 6, 1908).	Operations on the Cadaver. (About 6 weeks beginning January 6, 1908).	Advanced Physiology. (Easter Term).	

FIFTH YEAR.—Continued.

3-4 p.m.	Special Therapeutics. (Michaelmas Term).	Clinical Laboratory Work. Pathological Department.	Regional Anatomy. (Easter Term).	Clinical Laboratory Work. Pathological Department.	Laryngology and Rhinology. H. S. C. (Dr. Wishart).	
4-5 p.m.	Operative Obstetrics.			Clinical Gynæcology.	Life Assurance. (6 Weeks beginning January 10, 1908). History of Medicine. (6 Weeks beginning February 14, 1908).	
5-6 p.m.						

NOTE.—Students of the Fifth Year may be required to do Special Work in any of the Subjects of Study at other hours than those indicated on the Time Table. Students are required to attend and assist in Autopsies at the Toronto General Hospital. The hours for such will be posted from time to time on the Bulletin Board at the University. Clinical laboratory work must be carried on in connection with the cases seen in the clinics.

*** These clinics will not be given in the six weeks during which the student is engaged in operations on the Cadaver.**

† This course will include surgical Pathology and the Pathology of the central nervous system.

‡ Michaelmas Term.

¶ Easter Term.

THE DISSECTING ROOM—WESTERN HALF.

THE DISSECTING ROOM—EASTERN HALF.

THE UNIVERSITY OF TORONTO MEDICAL SOCIETY.

This Society consists of the graduates and undergraduates enrolled in the Faculty of Medicine of the University of Toronto. It is under the patronage of the members of the Medical Faculty and its object is to deal with all matters pertaining to the general interest and welfare of the students, specially:—

(*a*) To encourage interest in general medical science and literature, and in the pursuit of medical studies.

(*b*) To provide a supply of periodicals and magazines for the reading rooms.

(*c*) To be a means of communication between the Student body and the Faculty or others, when such communication is desirable.

UNIVERSITY OF TORONTO MEDICAL STUDENTS' YOUNG MEN'S CHRISTIAN ASSOCIATION.

The meetings are held weekly in the building of the Young Men's Christian Association. The clergy and other prominent residents of the city frequently take part in the proceedings.

The objects of the association are to form a bond of union between medical students whose principles and aim in life are "Christian," and to render whatever practical assistance is possible to all medical students, especially those who are entering upon their medical studies. The Reception Committee of the association will be at the Union Station to meet and welcome all incoming students and to give any information and assistance that may be required. A list of suitable boarding houses will be available for the convenience of those who require it.

REGULATIONS RELATING TO STUDENTS.

1. No student will be registered in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Faculty Council or Caput, to be prejudicial to the interests of the University. Registration in any year does not entitle a student to Registration in a subsequent year.

2. Students are required to attend the courses of instruction and the examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the University who persistently neglects academic work.

3. All interference on the part of any student with the personal liberty of another, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will render himself liable to expulsion from the University.

4. A student who is under suspension, or who has been expelled from a College or the University, will not be admitted to the University buildings or grounds.

5. The constitution of every University society or association of students and all amendments to any such constitution must be submitted for approval to the Caput. All programmes of such societies or associations must, before publication, receive the sanction of the Caput. Permission to invite any person not a member of the Faculty of the University to preside at or address a meeting of any society or association must be similarily obtained. Societies and associations are required to confine themselves to the objects laid down in their constitution.

6. The name of the University is not to be used in connection with a publication of any kind without the permission of the Caput.

REGULATIONS RELATING TO DEGREES IN MEDICINE.

The Degree in Medicine are Bachelor of Medicine (M.B.), and Doctor of Medicine (M.D.).

BACHELOR OF MEDICINE.

Candidates for the degree of Bachelor of Medicine are required to matriculate and to attend during four sessions of at least eight months each the courses of instruction presented, and to pass four examinations taken in the following order: the First at the end of the first session; the Second at the end of the second session; the Third at the end of the third session; and the Fourth at the end of the fourth session.

Students who begin their course on or after October, 1908, shall be required to spend five years of professional study in the Faculty of Medicine before being permitted to proceed to a degree in medicine.

ENTRANCE.

Candidates for the degree must pass the Matriculation examination, unless (1) they possess a degree in Arts not being an Honorary Degree, from any Dominion or British University; or (2) have already matriculated in the Faculty of Arts or in the Faculty of Law in this University; or (3) have been registered as Matriculates in the College of Physicians and Surgeons of Ontario.

Students who have not completed matriculation will not be admitted to enter the course of instruction of the Second Year.

No fee will be charged for transferring from the Faculty of Arts to that of Medicine.

REGISTRATION.

Students entering the University are required to submit the certificates on which they claim standing to the Registrar not later than the first day of November.

Candidates who at the close of the Supplemental examinations have failed to secure standing will not be eligible for registration in the next higher year.

ATTENDANCE.

Candidates are required to attend lectures and receive practical instruction during each of four years at this University.

The Senate may accept certificates of attendance at the lectures and practical instruction in the laboratories of affiliated and other recognized institutions. A student who fails to do satisfactory term work in any subject is not permitted to present himself for examination in that subject, either theoretical or practical, until he is able to present satisfactory certificates of term work completed.

EXAMINATIONS.

The annual examinations are styled the First, Second, Third, Fourth and Fifth examinations, and are to be passed at the end of the First, Second, Third, Fourth and Fifth academic years respectively.

The annual examinations are held in May, and the supplemental examinations in September. Candidates who fail in the first professional examination in May are now able to take advantage of a special qualifying course in Physics, Chemistry and Biology which is now provided by the University during the summer months and may thus qualify for the September examination. For more definite information see the summer session announcement.

Candidates at any examination who have passed in the majority of the subjects required may present themselves at the supplemental examinations next ensuing, in the subjects in which they failed, and on passing at such examinations, shall be allowed their year.

Undergraduates below the standing of the Fourth Year, who have been rejected or who have been prevented from attending the annual examinations, by sickness, domestic affliction, or other causes beyond their control, may present themselves for examination at the Supplemental examinations in September.

Candidates who failed to attend at the annual examinations must prove to the satisfaction of the President before presenting themselves in September, the existence and sufficiency of the alleged cause of absence.

Undergraduates of the Fourth Year who have failed in not more than three subjects may present themselves for examination in the said subjects at the Supplemental examinations in September.

Graduates of this University in the Honour Department of Biological and Physical Sciences may enter at the beginning of the Third Year and may postpone the examination in Materia Medica and Elementary Therapeutics until the Third examination.

In the case of Graduates or Undergraduates in Natural Sciences or Biology, certificates of attendance on the second course of Practical Anatomy and on the second course of fifty lectures on Anatomy, may be presented with the certificates of attendance on the lectures of the Third Year.

Every undergraduate who proposes to present himself at an examination must send to the Secretary a statement (according to a printed form which will be furnished) of the course he is taking, whether he intends to compete for Honours, and such other particulars as the printed form may indicate, together with the original certificates referred to in this statement.

The work in the laboratories and in the wards of the hospitals during the session is an essential part of the instruction and will be considered in determining standing at any examination.

Before admission to examination the candidate is required to submit

evidence of having complied with the regulations respecting attendance upon laboratory and clinical work in each of the subjects of instruction for the year in which he seeks examination. A certificate is issued by the University, and must be signed by the head or heads of each department of instruction.

The following Honour courses of instruction and examinations in the Faculty of Arts are accepted in the place of courses of instruction and examinations in the Faculty of Medicine, according to the subjoined scheme:—

Faculty of Arts.		Faculty of Medicine.
1. First Year Biology..	equivalent to	First Year Biology.
2. First Year Physics.	equivalent to	First Year Physics (with the exception of the Sound, Light and Electricity of this course).
3. First Year Chemistry.	equivalent to	First Year Chemistry.
4. Second Year Chemistry of the Honour course in Biology.	equivalent to	Second Year Chemistry.
5. Physiology and Physiological Chemistry of the Third and Fourth Years of the Honour courses in Biology and Biological and Physical Sciences.	equivalent to	First and Second Year Physiology and Physiological Chemistry.
6. Cytology and Histology of Third Year of Honour course in Biology and Biological and Physical Sciences.	equivalent to	Histology of Second Year.
7. Embryology of Fourth Year in Biology and Biological and Physical Sciences.	equivalent to	Embryology of Second Year.
8. Anatomy of Third and Fourth Years of the Honour course in Biological and Physical Sciences.	equivalent to	Anatomy of First and Second Years.

EQUIVALENT EXAMINATIONS.

Courses of lectures and examinations in the Faculty of Arts are accepted in the place of courses of lectures and examinations in the Faculty of Medicine, according to the following scheme:—

Faculty of Arts.		Faculty of Medicine.
1. Honour course and examination in Second Year Biology.	equivalent to	course and examination in First Year Biology.
2. Honour course and examination in Second Year Chemistry, and Physics of the Honour course in Natural Sciences or Biological and Physical Sciences.	equivalent to	course and examination in First Year Inorganic Chemistry and Physics.
3. Honour course and examination in Third Year Chemistry.	equivalent to	course and examination in Second Year Chemistry (with the exception of Chemistry applied to Physiology).
4. Honour course and examination in Fourth Year Biology.	equivalent to	course and examination in Second Year Physiology and Embryology and Histology.

5. Attendance at the Honour course and examination in the Fourth Year Physiological Chemistry, in the Faculty of Arts, is equivalent to attendance at the course and examination in Chemistry applied to Physiology of the Second Year in the Faculty of Medicine.

Candidates who desire to compete for scholarships and medals are required to submit to the annual examination in all the subjects of each examination, though otherwise entitled to partial exemption according to the preceding scheme; and candidates not competing for scholarships or medals, who are entitled to exemption according to the preceding scheme, will rank in Honours in these subjects.

COURSES OF INSTRUCTION.

A full course extends over a period of eight months.

First Year.

COURSES OF EIGHT MONTHS EACH—

1. Anatomy.
2. Practical Anatomy.
3. Biology.
4. Practical Biology.
5. Physiology.
6. Practical Physiology.
7. Inorganic Chemistry.
8. Practical Chemistry.

COURSES OF FOUR MONTHS EACH—

1. Physics.
2. Practical Physics.

Second Year.

COURSES OF EIGHT MONTHS EACH—

1. Anatomy.
2. Practical Anatomy.
3. Physiology.
4. Practical Physiology.
5. Embryology and Histology.
6. Methods of Physical Examination.

COURSES OF FOUR MONTHS EACH—

1. Organic Chemistry.
2. Practical Chemistry.
3. Practical Physiological Chemistry.
4. Pharmacy.
5. Pharmacology.

Third Year.

COURSES OF EIGHT MONTHS EACH—

1. Medicine.
2. Clinical Medicine.
3. Surgery.
4. Clinical Surgery.
5. Pathology.
6. Practical Pathology.
7. Obstetrics.
8. Attendance in the wards of a general hopsital having not less than 100 beds.

COURSES OF FOUR MONTHS EACH—

1. Therapeutics.
2. Jurisprudence and Toxicology.
3. Topographical Anatomy.

A COURSE OF TWO MONTHS—

Clinical instruction in contagious diseases and vaccination.

Fourth Year.

COURSES OF EIGHT MONTHS EACH—

1. Medicine.
2. Clinical Medicine.
3. Surgery.
4. Clinical Surgery.
5. Pathology.
6. Practical Pathology.
7. Obstetrics.
8. Ophthalmology (examination of the eye, commoner diseases); Otology (examination of the ear, commoner diseases); Rhinology and Laryngology (commoner diseases of the nose and throat).
9. Attendance in the wards of a general hospital having not less than 100 beds.

COURSES OF FOUR MONTHS EACH—

1. Gynæcology.
2. Hygiene and Preventive Medicine.

COURSE OF TWO MONTHS—

Mental Diseases.

At the Fourth examination, the candidate is required to submit the following certificates:—

1. Of having conducted at least six labours.
2. Of proficiency in vaccination.

Of having attended twelve autopsies.

The certificate of a registered practitioner will be accepted in respect of 1 and 2.

Fifth Year.

COURSES OF SIX MONTHS EACH—

1. Medicine.
2. Clinical Medicine.
3. Surgery.
4. Clinical Surgery.

5. Pathology (gross and microscopical).
6. Clinical Gynæcology and Operative Obstetrics.
7. Ophthalmology, Otology, Laryngology and Rhinology.

COURSES OF THREE MONTHS EACH—

1. Special Therapeutics.
2. Regional Anatomy.
3. Advanced Physiology of the digestive and nervous systems.

A COURSE OF AT LEAST TWO MONTHS—

Anæsthetics.

COURSES OF AT LEAST SIX WEEKS—

1. History of Medicine.
2. Life Assurance.

The lectures in the Fifth Year are not to exceed two per diem, the remaining part of the day is to be devoted to laboratory and hospital work.

SUBJECTS OF THE DIFFERENT EXAMINATIONS.

FIRST EXAMINATION.

1. Physics.
2. Chemistry (Inorganic).
3. Biology.

SECOND EXAMINATION.

1. Anatomy.
2. Physiology.
3. Embryology and Histology.
4. Materia Medica and Elementary Therapeutics.
5. Chemistry (Organic and Physiological).
6. Methods of Physical Examination.

THIRD EXAMINATION.

1. Medical and Clinical Medicine.
2. Surgery and Clinical Surgery.
3. Pathology.
4. Obstetrics.
5. Therapeutics.
6. Jurisprudence and Toxicology.
7. Topographical Anatomy.

The results of this examination will be considered in determining standing at the Fourth examination.

FOURTH EXAMINATION.

1. Medicine and Clinical Medicine.
2. Surgery and Clinical Surgery.
3. Pathology.
4. Obstetrics.
5. Ophthalmology, Otology, Rhinology and Laryngology.
6. Gynæcology.
7. Hygiene and Preventive Medicine.
8. Mental Diseases.
9. Pediatrics.

FIFTH EXAMINATION.

1. Medicine and Clinical Medicine.
2. Surgery and Clinical Surgery.
3. Pathology.
4. Gynæcology.
5. Obstetrics.
6. Ophthalmology, Otology, Laryngology and Rhinology.
7. Special Therapeutics.
8. Regional Anatomy.
9. Advanced Physiology.
10. Anæsthetics.
11. History of Medicine.
12. Life Assurance.

EXAMINATIONS FOR HONOURS.

Candidates taking seventy-five per cent. of the aggregate number of marks in the Pass and Honour Papers of the First or Second examination, or of one or more of the groups of subjects in the Final examination will be placed in the Honour list.

Additional papers on all Pass subjects of an examination may be set for the Honour candidates.

The subjects of the Final examination are grouped for Honours as follows:—

Group I. 1. Medicine and Clinical Medicine.
2. Pathology.
3. Therapeutics.

Group II. 1. Surgery and Clinical Surgery.
2. Pathology.
3. Topographical Anatomy.

Group III. 1. Obstetrics.
2. Gynæcology.
3. Pathology.

Group IV. 1. Medical Jurisprudence and Toxicology.
2. Hygiene.
3. Medical Psychology.

Only those candidates will receive their degree with Honours who have obtained Honours in the First, Second and Final examinations.

ADMISSION AD EUNDEM STATUM.

Undergraduates of other Universities applying for admission *ad eundem statum* must present certificates of having passed the examinations in the various subjects of this curriculum preliminary to the examination for which they desire to present themselves.

DEGREE OF M. D.

Bachelors of Medicine of at least one year's standing may obtain the degree of M.D. on the fulfilment of either of the following conditions:—

1. Having presented an approved thesis embodying the results of an original research conducted by the candidate in any department of medicine; or

2. Having passed the fifth examination.

ADMISSION AD EUNDEM GRADUM.

A graduate of any of the Universities in Great Britain or Ireland, if his degree be not an honorary one, may be admitted to the like degree in the University of Toronto. He must send in his certificate to the Registrar at least two weeks before the first meeting of the session of the Senate at which his application is to be brought forward.

MEDALS AND SCHOLARSHIPS.

Medals.

The Faculty offers a gold medal and three silver medals annually for competition among those students of the Medical Faculty who are Honour candidates for the degree of M.B., which will be awarded by the Senate on the recommendation of the examiners.

Undergraduate Scholarships.

The following scholarships are annually offered for competition amongst students who attend the Lectures of the University Medical Faculty:—

At First Examination. . . . . one of $50
At First Examination. . . . . one of $30
At Second Examination. . . . . one of $50
At Second Examination. . . . . one of $30

Every student taking a scholarship is required to sign a declaration that it is his intention to pursue his medical studies for two or three years, according to the year in which he has taken such scholarship, and to proceed to a degree in the University of Toronto, and that he is not an undergraduate or graduate in the Faculty of Medicine of any other University.

No scholarship will be awarded to any candidate who has not obtained honours in the examination for which it is conferred.

Each scholarship is tenable for one year only, but a scholar of one year is eligible for the scholarship of a succeeding year.

The scholarships or medals are not open to those who are at the same time undergraduates or graduates in Medicine of another University.

No undergraduate in the Honour course, who shall have degraded into a lower year, shall be permitted at any ensuing examination to compete for medals or scholarships, except by special permission of the Faculty, to be granted only in case of illness or for other grave reasons.

THE GEORGE BROWN MEMORIAL SCHOLARSHIP IN MEDICAL SCIENCE.

Dr. A. H. F. Barbour, of Edinburgh, having placed a sum of money at the disposal of the University of Toronto, for the purpose of founding a Scholarship in Medical Science in memory of the late Hon. George Brown, the following regulations have been adopted with regard thereto:

This scholarship shall be called the George Brown Memorial Scholarship in Medical Science and shall be awarded annually at the Convocation for conferring degrees in Medicine to the Bachelor of Medicine who shall have distinguished himself most during the Undergraduate course in the Honour course in Biological and Physical Science.

The award shall be made by a committee composed of the Professors in these subjects, who shall report as to the successful candidates, after having given due attention to the results of the annual examinations, and to the character of the work done by the candidates in the University laboratories.

The holder of the scholarship during the year of tenure is required to engage in original research in any one of the laboratories of the University, on some subject bearing on the advancement of medical science —the laboratory providing the material for the investigation.

The scholarship is to be paid in two portions, two-thirds at the time of award and one-third six months later, on the holder giving a satisfactory report (to whomsoever the University may appoint) of the work he has already done.

A report of the research, when completed, is to be given to the University.

The value of the scholarship consists in the proceeds of one thousand pounds sterling, invested at the rate of interest secured by the University for such benefactions.

The Reeve Scholarship.

The Reeve Post-graduate Scholarship, amounting to $250, which had been given for four years by the Dean of the Faculty, has, through the generosity of P. C. Larkin, Esq., been continued and will be awarded upon the following terms:—

The award shall be for one year, but in the event of the holder of the scholarship showing exceptional ability he may be re-appointed.

The holder of the scholarship shall devote his time to original research in the Department of Pathology or of Physiology. He will, however, be expected to assist in the Laboratory, provided always that the amount of time required of him as such assistant demonstrator in the Laboratory shall not exceed four hours per week.

The award shall be made by a committee composed of the Professors of Physiology and Pathology and the Dean of the Faculty, who shall report as to the successful candidate after having given due attention to the results of the Annual Examinations and the character of the work done by him in the University Laboratories. The candidate selected shall be one who has during his undergraduate career given evidence of ability to pursue original research.

Applications for the scholarship must be sent to the Dean of the Facutly not later than the 15th of September, and the successful candidate shall begin work not later than the 1st of October, and shall devote at least eight months to the work.

The scholarship shall be paid in two instalments, half the amount on the 15th of October, and the other half on the 15th of January, provided the scholar gives evidence of having satisfactorily carried on the work up to that date.

The Starr Medals.

The late Richard Noble Starr, M.D., devised certain property for the encouragement of post-graduate study in Anatomy, Physiology and Pathology, and in fulfilment of this object one gold and two silver medals, called the "Starr Medals," are awarded annually to three candidates for the degree of M.D., who have shown by the theses which they have presented for that degree, that they have successfully pursued such study in any one of these subjects. The theses for which these medals are given must attain a standard approved of by the Board of Examiners, and the relative value of the theses will determine the rank of the candidates for the medals.

FEES FOR INSTRUCTION.

Regular Students in Medicine.

First, Second, Third and Fourth Years—
If paid in full on or before November 10.....$100 00
By instalments—
First instalment, if paid on or before November 10... 52 00
Second instalment, if paid on or before February 10. 53 00

Students in Science of the Third or Fourth Years in the Faculty of Arts.

First and Second Years—
If paid on or before November 10..... $85 00
By instalments—
First instalment, if paid on or before November 10... 45 00
Second instalment, if paid on or before February 10...45 00

Third and Fourth Years—
If paid in full on or before November 10.....$100 00
By instalments—
First instalment, if paid on or before November 10.. 52 00
Second instalment, if paid on or before February 10.. 53 00

Fifth Year Students—
If paid on or before November 10..... 50 00

Repeating the Year—
If paid on or before November 10..... 25 00

The above fees are payable in advance. After November 10th a penalty of $1.00 per month will be imposed until the whole amount is paid. In the case of payment by instalments the same rule as to penalty will apply.

REGISTRATION, LIBRARY AND LABORATORY SUPPLY FEES.

Registration (payable once only)	$ 5 00
Biological laboratory supply fee in first year	2 00
Biological laboratory supply fee in second year	3 00
Physiological laboratory fee in first year	3 00
Physiological laboratory fee in second year	5 00
Chemical laboratory supply fee in first and second years.	3 00
*Library fee, payable in each year of undergraduate course	2 00

*NOTE: This fee is optional for students registered in the Faculty of Medicine prior to session 1905-1906.

FEES FOR EXAMINATION AND DECREES.

Students in the Fourth Year will be required, in addition, to pay a fee of $5 for the extra-mural class in Medical Psychology.

For Matriculation or Registration of Matriculation.....$ 5 00

For Annual Examinations (each)	14 00
For Admission *ad eundem statum*	10 00
For the Degree of M.B	20 00
For the Degree of M.D	20 00
For Admission *ad eundem gradum*	20 00

The fee for examination, and, in the case of candidates of the Fourth Year, that for the degree, must be paid to the Bursar not later than the 20th March.

HOSPITAL FEES.

The Hospital fees—payable to the Hospital authorities—are as follows:—

Perpetual ticket	$34 00
Annual ticket	14 00
Burnside Lying-in-Hospital	8 00

MEDALLISTS.

Medicine.

g, gold medal; s, silver medal.

YR.
58 Oille, L. S., *g.*
Aikins, M. H., *s.*
Millar, T., *s.*
59 Barnhart, C. E., *g.*
King, J., *s.*
Francis, W. F., *s.*
60 Bascom, J., *g.*
Playter, E., *s.*
Tisdell, F. B., *s.*
Morton, E. D., *s.*
Ogden, W. W. *s*
Martyn, D. H., *s.*
61 Hudson *g.*
Elliott, J. D., *s,*
62 Dolster, J., *g.*
DeGrassi, G. P., *g.*
63 Ramsay, W. F., *g.*
64 McLaughlin, J. W., *g.*
65 Burnham, E. L., *g.*
McCarthy, J. L. G., *s.*
Kitchen, E. E., *s.*
66 Mickle, W. J., *g.*
McCullough, J., *s.*
Wadsworth, J. J., *s.*
67 Sparks, T., *s.*
Palmer, R. N., *s.*
Harbottle, R., *s.*
Eccles, F. R., *s.*
McFarlane, N., *s.*
Newton, J. H., *s.*
68 Brown, J. P., g.
Hunt, R. H., *s.*
Howe, T. C., *s.*
69 Graham, J. E., *g.*
Humble, C., *s.*
McCollum, J. H., *s.*
Bentley, T. B., *s.*
70 Greenless, A., *g.*
Burgess, T. J. W., *s.*
Smith, C. M., *s.*
Standish, J., *s.*
Wagner, W. J., *s.*
Burt, W., *s.*
70 Williams, A. D., *s.*
71 Forrest, W., *g.*
Moore, C. Y., *s.*
Henning, N. P., *s.*
Delamater, R. H., *s.*
72 Zimmerman, R., *g.*
Crozier, J. B., *s.*
73 Close, J. A. *g.*
Beeman, M. I., *s.*
Wright, A. H., *s.*
Hagel, S. D., *s.*
74 Fraser, D. B , *g.*
Brown, O. C. *s.*
Farwell, A., *s.*
Cameron, I. H., *s.*
Shaw, G., *s.*
Fraser, D., *s.*

YR.
75 Britton, W., *g*
White, J., *s.*
Bennett, J. H., *s.*
Eakins, J. E., *s.*
76 McPhedran, A,, *g.*
Lackner, H. G., *s.*
Bowerman, A. C., *s.*
Wilson, W. J,, *s.*
77 Stuart, W. T., *g.*
Orr, R. B., *s.*
Richards, N. D., *s.*
78 Griffin, H. S. *g.*
Meek, H., *s.*
Bonnar, J. D., *s.*
Kennedy, G. A.,
Gardiner, J. H., *s*
79 Burt, F., *g.*
Mills, R. P., *s.*
Chappell, W. F., *s*
80 Cross, W. J., *g.*
Bryce, P. H., *s.*
Ferguson, J., *s.*
81 Duncan, J. H., *g.*
82 Wallace, R. R., *g.*
Duncan, J. T., *s.*
83 Robinson, W. J., *g.*
83 Dolsen, F. J., *g.*
84 Clerke, J. W., *g.*
85 Howell, J. H., *g.*
Carr, L., *s.*
85 Saunders, M. R., *s.*
Hoople, H. N., *s.*
86 Peters, G. A., *g.*
Noecker, C. T., *g,*
Johnston, D. R., *s.*
87 Ego, A., *g.*
88 Féré, G. A., *g.*
Galloway, J., *s.*
89 Chambers, G., *g.*
Collins, J. H., *s.*
Godfrey, F. E., *s.*
90 Barker, L. F., *g.*
Cullen, T. S., *s.*
Philp, W. H., *s.*
McFarlane, M. T., *s.*
McGillivray, C. F., *s.*
91 Barnhart, W. N., *g.*
Bollen, P., *s.*
Boyd, G., *s.*
McGorman, G., *s.*
92 Bruce, H. A., *g.*
Middlebro, T. H., *s.*
Gowland, R. H., *s.*
Brown, J. N. E., *s.*
93 Harvie, J. N., *g.*
South, T. E., *s.*
Elliott, W., *s.*
Futcher, T. B. } Æ, *s.*
Harvey, E. E. }
94 McCollum, W. J., *g.*

YR.
94 Rutledge, H. N., *s.*
Crain, W. E., *s.*
Johnston, H. A., *s.*
95 Merritt, A. K., *g.*
McKay, T. W. G.
McCrae, T., *s.*
Hunter, A. J., *s.*
96 McCaig, A. S., *g.*
Roberts, E. L., *g.*
Graef, C., *s,*
Goldie, W, S.
Macklin, A. H., *s.*
97 Elliott, J. H., *g.*
Hume, J. J. C., *s.*
Nichol, R., s,
Yeomans, W. L., *s.*
98 McCrae, J., *s.*
Sutherland, G. A., *s.*
White, W. C., *s.*
Cahoon, F., *s.*
99 Wells, W., *g.*
Hargrave, H. G., *s.*
Piersol, W. H., *s.*
Gow, J., *s.*
1900 P. L. Scott } Æ, *g.*
C. C. Bell }
G.W.Howland } Æ, *s.*
D. G. Revell }
E. D. Carder, *s.*
01 Clarkson, F. A., *g.*
McIlwraith, D,G., *s.*
Cleland, F. A., *s.*
Carswell, W.A. } æq. *s.*
Cohoe, B. A. }
02 Roaf, H. E, } æq, *g.*
Saunders, P.W }
Fletcher, G. W., *s.*
Moir, A., *s.*
Archer, A. E., *s.*
03 Oille, J. A., *g.*
Phillips, J., *s.*
Yin, S. C., *s.*
Wilson, G. E. S., *s.*
04 McCulloch, R. J. P., *g.*
Kinghorn, A., *s.*
Anderson, R. W., *s.*
Walker, S. B., *s.*
05 Lemon, W. S., *g.*
Ford, G., *s.*
Merritt, W., *s.*
Gowland, M. E., *s.*
06 McNeil, H. M., *g.*
Holbrook, J. H., *s.*
Dickson, E. C., *s.*
Moorhead, A. S., *s.*
07 Gray, G. C., *g.*
McVicar, C. S., *s.*
Schinbein, A. B., *s.*
Cannon, O. A., *s.*

Starr Medallists.

67 Palmer, R. N.
68 Hunt, R. H.
Brown, J. P.
Cassidy, J. J.
69 Graham, J. E.
70 Burgess, T. J. W., *g.*
Greenless, A., *s.*
Wagner, W. J., *s.*
71 Moore, C. Y., *g.*
Henning, N. P., *s.*
Forrest, W., *s.*
72 Zimmerman, R., *g.*
Crozier, J. B., *s.*
73 Meldrum, N. W., *g.*
Close, J. A., *s.*
Hagel. S. D., *s.*
74 Brown, O. C., *g.*
Farewell, A., *s.*
Campbell, A. J., *s.*
75 Britton, W., *g.*
White, J., *s.*
Bennett, J. H., *s.*
76 Lackner, H. G., *g.*
McPhedran, A., *s.*
Bowerman, A. C., *s.*
77 Stuart, W. T., *g.*
78 Bonnar, H. A., *g.*
Meek, H., *s.*
78 Griffin, H. S., *s.*
79 Burt, F., *g*
80 Cross, W. J., *g.*
80 Bryce, P. H., *g.*
81 Duncan, J. H., *g.*
82 Wallace, R. R., *g.*
83 Robinson, W. J., *g.*
86 Peters, G. A., *g.*
89 Collins, J. H., *g.*
Chambers, G., *s.*
90 Barker, L. F., *g.*
91 Barnhardt, W. N., *g.*
92 Middlebro, T. H., *g.*
Bruce, H. A., *s.*
96 McKay, T. W. G., M.B.
Rannie, J. A.
99 Hill, H. W.
03 McCrae. T.

WINNERS OF FACULTY MEDALS AND SCHOLARSHIPS FOR 1907.

Medals.

Faculty Gold Medal.....G. C. Gray.
First Faculty Gold Medal.....C. S. McVicar.
Second Faculty Silver Medal.....A. B. Schinbein.
Third Faculty Silver Medal.....O. A. Cameron.

Scholarships.

Second Year..... 1. S. B. Peele. 2. H. E. Alexander.
First Year..... 1. W. J. M. Marcy. 2. W. F. M. Adams.

POST-GRADUATE SCHOLARSHIPS.

THE GEORGE BROWN MEMORIAL SCHOLARSHIP IN MEDICAL SCIENCE.

A. G. HUNTSMAN. E. C. COLE (*proxime accessit*).

STUDENTS OF THE UNIVERSITY FACULTY WHO RECEIVED THE DEGREES IN MEDICINE AT THE ANNUAL EXAMINATIONS OF 1906.

M. B.

Acheson, Wm. Clinton.
Adam, Robert Thomas.
Anderson, John Stewart.
Baillie, William.
Bates, Gordon Anderson.
Bell, Henry Wallace.
Bennetto, Fenwick Royden.
Blanchard, Edward.
Boyer, Geo. Florian.
Broome, William John.
Brydon, William Hall.
Buck, Geo. Stanilaus.
Burns, James.
Calder, Miss Margaret.
Callahan, Thos. Henry.
Campbell, Alex. Douglass.
Cannon, Oscar Anson.
Christie, John George.
Cole, Edward Cooper, B.A., 1905.
Crann, George Ross.
Defoe, Allan Roy.
Elliott, Byron Stevenson.
Evans, Joseph Austin.
Faulds, Robert William.
Fidlar, Edward, B.A., 1905.
Fleming, Albert Grant.
Gideon, Eugene DeMontvin.
Graham, Lorne Benjamin.
Graham, Melvin.
Gray, Gordon Cameron.
Harrison, Tillson Lever.
Hartman, Clare Clifford.
Hazelwood, James Frederick.
Henderson, David Alex.
Henderson, Ernest Malan, B.A., 1905.
Hincks, Clarence Meredith, B.A., 1905.
Hunt, Joseph William.
Huntsman, Archibald Gowanlock, B.A., 1905.
Hurlbert, Frederick Hennon.
Hutton, Thomas Oswald.
James, Harry Joseph.
Jamieson, Claude Vernon.
Johnston, Crawford.
Johnston, Harry Blackburn.
Johnston, Hugh Wellington.
Johnston, William James.
Kay, Amos Frank.
Kenny, Randall Young.
Lapatnikoff, William.
Large, Wallace Bruce.
Leigh, Sydney Septimus.
Menten, Miss Maud Lenora, B.A., 1904.
Middleton, Frederick Charles.
Miller, Frederick Robert, B.A., 1903.
Milne, John Daniel.
Mooney, Chester Nephy.
Morgan, Henry Albert Edgar.
Morrison, Thomas.
Mulholland, Ross Peregrine.
McArthur, Archibald Duncan.
McClelland, William Albert.
McFadden, Henry Mervin.
MacKay, John Thorne.
MacKenzie, Duncan William.
MacKenzie, Kenneth Nichol.
MacLachlan, John.
McLean, Angus A.
Macleod, John Alexander.
MacLeod, Neil.
McPhedran, William Fletcher, B.A., 1905.
McPherson, Angus William.
McPherson, Gordon Archibald.
McRuer, John McIntyre.
McVicar, Charles Stanley.
Newell, Orton James.
Nickle, Miller Alexander.
Norman, Thomas Hugh.
Platt, Edward Orren.
Reid, Peter.
Relyea, Egbert Hiram.
Richardson, Elmer Freeman.
Robb, John Oswald.
Robertson, David Edwin.
Routley, Frederick William.
Schinbein, Austin Birrel.
Shier, Walter C.
Simpson, Leonard Jennett.
Sparks, George Lindsay.
Speers, Joseph Henry.
Sproule, Miss Pearl Jean.
Stewart, Robert.
Stinson, Smith.

Sutherland, Charles Goldie.
Taylor, William Albert.
Thompson, Clarence Philip.
Thompson, John James.
Tye, Percival Lawrence.
Walker, Herbert.
Walsh, William Charles.
Whillans, James Archibald.
Whitmore, George Hubert.
Williams, Ralph Arthur.
Willson, Herbert George, B.A., 1901.
Wilson, Norman King.
Wilson, Charles Edwin.
Woods, Hubert Brown.
Young, Ernest Herbert.

M. D., C. M.

Bigham, James Spencer Freeman.
Cerswell, Benjamin Samuel.
Crux, Albert.
Hendrick, Mountford A.
Luckhoo, Daniel Lawrence.
McNichol, Oscar Addison.
Scheck, William Stephen.
Stirrett, Andrew Park.
White, Samuel Tait.

CURRICULUM FOR THE DIPLOMA OF PUBLIC HEALTH.

1. The University shall offer a Diploma in Public Health (D.P.H.) on the conditions hereinafter detailed.

2. Candidates for the Diploma must be graduates in Medicine of this University, or of some other University recognised for this purpose by the Senate.

3. The curriculum leading to the Diploma shall extend over two Summer Sessions of three months each, and one Winter Session of six months.

4. The first Summer Session shall be devoted to Laboratory work in
   1. Sanitary Chemistry.
   2. Bacteriology.
   3. Parasitology.

5. The Winter Session shall be devoted to
   a. Advanced General Hygiene.
   b. Advanced General Pathology, including Theory of Immunity and Comparative Pathology.
   c. Elements of Geology, Meteorology and Climatology, in their relation to Public Health.
   d. Sanitary Engineering.
   e. Sanitary Legislation and Vital Statistics.
   f. Clinics on Contagious Diseases.
   g. History of Preventive Medicine and Epidemiology.

6. Candidates for the Degree of M.D. may substitute the foregoing Winter Course for such subjects or portion of subjects of the Fifth Year in Medicine as are not demanded by the College of Physicians and Surgeons of Ontario, at its final Examination.

7. The Second Summer Session shall be devoted to a course of Practical work in Public Health under the supervision of the Provincial Board of Health, including the methods of dealing with infectious diseases, inspection of schools and other public buildings, factories and dairies, inspection of water supplies and sewage disposal plants and other forms of municipal sanitation.

8. At the conclusion of the Winter Session an examination will be held on the subjects of the curriculum in Public Health specified in paragraphs 4 and 5, the passing of which shall be a necessary preliminary to entering upon the practical course indicated in paragraph 7.

9. Candidates who have passed the examination, and who present from the Provincial Board of Health a certificate of efficiency in the subjects specified in paragraph 7, will be granted the Diploma of Public Health.

10. The fees for the Course shall be $150, payable in two instalments of $75 each at the beginning of the first Summer Session and the Winter Session respectively. The fee for the Diploma shall be $20.

11. Up to and including 1907, graduates in Medicine who have acted as Medical Health Officers for a period of two years may present themselves for the examination referred to in paragraph 8 without preliminary attendance on the Courses of Instruction. For such candidates the fee for the Diploma shall be $100.

FACULTY OF APPLIED SCIENCE AND ENGINEERING.

The School of Practical Science.

PROVINCE OF ONTARIO.

CALENDAR FOR THE SESSION 1907-1908.

The Legislative Assembly during the Session of 1877 gave its sanction to the establishment of a School of Practical Science on the basis proposed in the memorandum of the Minister of Education confirmed by the Lieutenant-Governor in Council on the 3rd day of February, 1877.

By the scheme thus approved of, the Government effected an arrangement with the Council of University College whereby the students of the School of Practical Science enjoyed full advantage of the instruction given by its professors and lecturers in all the departments of science which were embraced in the work of the School.

This arrangement was brought to an end in 1889 by the transfer of the department of science above referred to, from University College to the University of Toronto under the operation of the University Federation Act.

In order that the students of the School might continue to enjoy the advantage of the instruction of the above departments, the Senate of the University of Toronto passed a Statute in October, 1889, affiliating the School to the University, which Statute was confirmed by the Lieutenant-Governor on the 30th day of October, 1889.

By an Order-in-Council, approved by the Lieutenant-Governor, on the 6th day of November, 1889, a Principal was appointed, and the management of the School was entrusted to a council composed of the Principal as chairman, and the Professors, Lecturers and Demonstrators appointed on the Teaching Faculty of the School.

By the terms of this order the management and discipline of the School was vested in the Council.

By a Statute of the Senate of the University of Toronto, passed on December 14th, 1900, the teaching staff and examiners of the School of Practical Science, together with the examiners for the degree of B.A.Sc., and professional degrees in Engineering, were constituted ex-officio the Faculty of Applied Science and Engineering of the University of Toronto.

By an Order-in-Council dated the 30th day of January, 1903, the Council of the School was made to consist of the Principal, the Professors and Lecturers, together with the Registrar.

By the University Act, 1906, the School of Practical Science was united to the University of Toronto as its Faculty of Applied Science and Engineering.

DEPARTMENTS.

There are six regular Departments of Instruction, in each of which Diplomas are granted, viz.:—

1. Civil Engineering.
2. Mining Engineering.
3. Mechanical and Electrical Engineering.
4. Architecture.
5. Analytical and Applied Chemistry.
6. Chemical Engineering.

The instruction given in these departments is designed to give the student a thorough knowledge of the scientific principles underlying the practice in the several professions, and also such a training as may make him immediately useful when he commences actual professional work.

DIPLOMA.

The regular course in each department is of three years' duration and leads to the Diploma. The instruction is given partly in the lecture room and partly in the drafting rooms, laboratories and field. A certain amount of work is laid out for the summer vacation. The course of study in each department is general, and beyond the selection of his department the student has no opportunity to specialize.

DEGREE OF B.A.Sc.

After the general course is finished the Diploma is granted and the student is at liberty either to enter the active life of his profession or to spend another year in special work. This year is called the fourth or post-graduate year. Graduates electing to proceed with their studies are allowed to select two subjects from an approved list, and are required to confine their whole attention to these subjects during the fourth year. The subjects in that list are such as require a large amount of time to be devoted to laboratory and other practical work. The advanced theoretical instruction is given either at the beginning or end of the working-day, in order not to break up the time allotted to practical work. During this year the student is required to prepare a thesis on some subject connected with his work. After complying with all requirements, the candidate receives the degree of Bachelor of Applied Science (B.A.Sc.).

PROFESSIONAL DEGREES.

Bachelors of Applied Science may, after three years spent in professional work, present themselves for the degrees of Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), or Electrical Engineer (E.E.), as the case may be, subject to the rules and regulations established by the University.

ADMISSION.

Candidates will be admitted as regular students in any of the regular departments of instruction on presenting satisfactory certificates of having passed either:—

(*a*) The matriculation examination in Arts, in any University in His Majesty's Dominions, or in all the subjects of such matriculation examination except Latin and Greek, provided, however, that if an alternative be allowed by the University between either Latin or Greek and modern subjects (*e.g.*, Modern Languages, Physics, Chemistry, etc.), the latter subjects must be taken if the former are omitted; or

(*b*) The Junior Teachers' Examination of the Province of Ontario, including either French or German.

The subjects for pass Junior Matriculation are: English Composition, English Literature, English Grammar, Algebra, Euclid, Arithmetic, History (British, Canadian and Ancient), Latin and any two of the following: Greek, French, German, Experimental Science (Physics and Chemistry). A candidate who desires to enter the Faculty of Applied Science as a regular student, without taking Latin or Greek, will be required to present a certificate that he has passed in the following subjects: English Composition, English Literature, English Grammar, Algebra, Euclid, Arithmetic, History (British, Canadian and Ancient), and any two of the following:—French, German and Experimental Science (Physics and Chemistry).

Applications for admission to the regular departments based upon certificates other than those above mentioned will be considered by the Council. Such applications accompanied by the necessary certificates and information, must be in the hands of the Registrar of the Faculty before September 20th.

TUITION FEES.

First Year	$70.00
Second Year	80.00
Third Year	90.00
Fourth Year	70.00

The tuition fees may be paid in one amount at the beginning of the session or in two equal instalments, one at the beginning of each term.

A discount of $5.00 will be allowed if the whole fee is paid on or before November 5th.

A discount of $2.00 will be allowed on an instalment paid on or before the fifth day of the second month of the term in which it is due.

A penalty of $1.00 per month will be imposed for fees not paid on or before the first day of the third month of a term.

Examination and Degree Fees.

Fourth Year examination fee	$10.00
Fee for Degree of B.A.Sc.	10.00

These fees must be paid on or before 1st day of April.

Fees are payable at the office of the Bursar during the hours from 10 A.M. to 1 P.M.

In no case will fees be received on Saturday.

Library Fee and Deposit.

Library fee	$1.00
Deposit departments, 1, 2, 3, 4	5.00
" " 5, 6 in first year	5.00
" " 5, 6 second, third and fourth year	9.00

These amounts must be paid to the Secretary of the Faculty at the time of registration.

The total expenses of a regular three years' course in any department is about $360, which amount includes books, instruments and materials as well as the fees, etc., stated in above table.

Information as to the text books, instruments and materials to be purchased by the students will be given on registration at the beginning of the session.

LODGING AND BOARD.

Accommodation is readily obtainable in numerous private boarding-houses within convenient distance of the University, at a cost of from three dollars and a half upwards for comfortable lodging with board; or rooms may be rented at a cost of from one dollar and a half per week upwards, and board obtained separately at moderate rates. A list of accredited boarding-houses is kept by the Secretary of the University College Young Men's Christian Association, and students are recommended to consult him with reference to the selection of suitable accommodation.

FELLOWSHIPS.

Fellowships of the value of $500 each are awarded annually in the various departments. Each fellow is appointed annually and is eligible for re-appointment for a period not exceeding in all three years.

The fellows are required to take such portions of the work of instruction as may be assigned to them by the Council.

Application for these fellowships are to be made annually to the Secretary of the Faculty on or before the 1st day of May.

REGULATIONS RESPECTING STUDENTS AND EXAMINATIONS.

No student will be enrolled in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Council to be prejudicial to the interests of the University.

All interference on the part of any student with the personal liberty of another, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. In particular, students of all Faculties are warned against the practices known as the "hustling" of freshmen and against inter-year or inter-faculty "hustles." Any student convicted of participation in such proceedings will render himself liable to expulsion from the University.

All students who are candidates for diplomas or certificates shall be in attendance during the whole of each term, unless exempted by special permission of the Council. The term will not be allowed to any student who has attended less than three-fourths of the required lectures and practical work, or who has been reported to the Council for bad conduct and adjudged guilty thereof.

Candidates are required to send to the Secretary of the Faculty at least three weeks before the commencement of the Annual Examinations in April, and the Supplemental Examinations in September, notice in writing of their intention to take such examinations.

No student will be allowed to write at the Annual Examinations who has not paid all fees and dues for which he is liable.

The minimum percentage of marks required to pass in the written examinations will be fixed from time to time by the Council.

The minimum percentage of marks required to pass in the practical work connected with any subject shall be one and one-half times the minimum required in the case of a written examination.

In order to pass in subjects wherein both written and practical examinations are held, the candidate must pass in both examinations.

In order to pass the practical examinations in the subjects of applied mechanics, descriptive geometry, surveying and architecture, the drawings set in the lectures on these subjects must be made.

Drawings prescribed for the first term of the session will not be counted unless finished in that term.

To pass in drawing, the drawings already referred to must be made, together with as many others as may be prescribed.

The number of practice sheets to be made by each student will depend upon his progress.

The minimum number of drawings shall be twenty-five, and the maximum number thirty-five, except in the Department of Analytical and Applied Chemistry, in which the number shall be fifteen and twenty-five respectively.

The minimum percentage of marks prescribed for practical work must be obtained in drawing.

The drawings must be made on paper 15 in. x 22 in., unless otherwise prescribed.

The Council reserves the right of disposing of the drawings as they may think proper. No drawings may be removed from the school without permission.

No drawings will be counted which have not been made in the drafting rooms, and during the hours allotted to such work.

To pass in Surveying the minimum percentage required for practical work must be obtained in the field work.

No field notes will be counted which have not been taken in the field, and during the hours allotted to such work.

Students taking practical astronomy are required to take observations in the field for time, latitude, and azimuth.

In order to pass in any branch of practical work at least 50 per cent. of the marks allotted to that work must be obtained in each term.

EXEMPTIONS.

Applications for exemption from any of the regulations of the School must be made to the Council in writing and the particulars of the case fully stated.

SUPPLEMENTAL EXAMINATIONS, ETC.

A candidate who fails in one or two subjects at the annual examinations, will be required to take supplemental examinations in such subjects.

The supplemental written examinations will begin on the 24th of September, 1907.

No candidate will be allowed to enter the Fourth Year who has not passed his supplemental examinations.

In the case where a candidate fails to pass a supplemental examination it will count as one of the two supplemental examinations which may be allowed him after the next annual examination.

Candidates who fail in being promoted to a higher year or in graduating will be required to take again the whole course of instruction, both theoretical and practical, of the year in which they fail before presenting themselves a second time for examination.

The fees to be paid by a student repeating a year will be the regular fees for such year.

Students are required to spend the hours of every working day between 9 a.m. and 5 p.m. at the work laid down in the time-table.

VACATION WORK.

Vacation work must be handed in on or before the first day of the session.

Vacation notes must be on construction only, and contain not less than twenty, nor more than thirty pages of sketches. These sketches must be free-hand pencil drawings with figured dimensions.

No notes, whether taken during the session of the vacation, will be counted unless made in the standard note books of the School.

The minimum percentage of marks required for practical work must be made in the case of vacation notes.

PRIZE.

Through the liberality of Mr. T. Kennard Thomson, C.E., of New York, a prize of $10 in books has been established in the department of Civil Engineering for general proficiency in the Third Year.

HONOURS.

Honours will be granted in each department to the students who pass in all the subjects and obtain at least 66 per cent. of the total number of marks allotted to the department at the annual examinations.

Papers read before the Engineering Society may be considered in granting Honours.

The Honour list is arranged alphabetically.

REGULAR EXAMINATIONS.

(APPROXIMATE LIST.)

I. YEAR.

Examinations Held at the End of the Session.

Algebra.	Mineralogy. . . . . 1,2,4,5,6.
Plane Trigonometry.	History of Architecture. . . . . 4.
Analytical Geometry. . . 1,2,3,4,5,6.	Electricity. . . . . 3.
Descriptive Geometry . . . . 1,2,3,4,6.	Magnetism and Electricity. . . . . 3.
Surveying. . . . . 1,2,3,4,6.	Statics. . . . . 1,2,3,4,6.
Chemistry, Elementary.	Dynamics. . . . . 1,2,3,4,6.
Chemistry, Inorganic. . . . . 5.6.	

1. Civil Engineering. 3. Mechanical and Electrical Engineering.
2. Mining Engineering. 4. Architecture.
5. Analytical and Applied Chemistry. 6. Chemical Engineering.

Examinations Held During the Session.

Drawing.
Field Notes. . . . . 1,2,4.
Architectural Sketches. . . . . 4.
Practical Electricity. . . . . 3.
Practical Chemistry.
Practical Mineralogy. . . . . 1,2,4,5,6.
German. . . . . 5.

II. YEAR.

Examinations Held at the End of the Session.

Calculus. . . . . 1,2,3,4,6.
Astronomy. . . . . 1.
Optics.
Strength of Materials. . . 1,2,3,4,6.
Dynamics. . . . . 1,2,3.
Theory of Mechanism. . . . . 3.
Hydrostatics.
History of Architecture. . . . . 4.
Orders of Architecture. . . . . 4.
History of Ornament. . . . . 4.
Lithology. . . . . 2,4.
Metallurgy.
Chemistry, Inorganic. . . . . 5,6.
Chemistry, Organic. . . . . 5,6.
Chemistry, Physical. . . . . 5,6.
Chemistry Applied.
do do . . . . . 5,6.
Electricity. . . . . 3,5,6.
Descriptive Geometry. . . . 1,2,3,4,6.
Surveying. . . . . 1,2,4.
Spherical Trigonometry. . . . . 1,2,3.
Geology. . . . . 1,2,5.

Examinations Held During the Session.

Drawing. . . . . 1,2,3,4,6.
Field Notes. . . . . 1,2.
Construction Notes. . . . . 1,2,3,4,6.
Architectural Sketches. . . . . 4.
Experimental Physics.
Practical Electricity. . . . . 3,5,6.
Practical Chemistry (qualitative) . . . . . 1,2,3,4,6.
Practical Chemistry (quantitative) . . . . . 2,5,6.
Practical Mineralogy. . . . . 1,2,5.
Practical Lithology. . . . . 2,4.
German. . . . . 5.

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1. Civil Engineering. 3. Mechanical and Electrical Engineering.
2. Mining Engineering. 4. Architecture.
5. Analytical and Applied Chemistry. 6. Chemical Engineering.

III. YEAR.

Examinations Held at the End of the Session.

Magnetism and Electricity...3, 3¹.
Electricity.....1,2,4,5,6.
Alternating Current.....3,3¹.
Electrical Design.....3¹.
History of Architecture.....4.
History of Ornament.....4.
Principles of Decoration.....4.
Elements of Design.....4.
Method of Least Squares.....1.
Chemistry, Organic.....5.
Chemistry, Applied.
Analytical Chemistry.....2,5,6.
Sanitary Plumbing, Heating and Ventilation.....4.
Theory of Compound Stress....1.
Economic Geology.....1,2,5.
Theory of Construction..1,2,3,4,6
Mechanics of Machinery.....3,3¹.
Machine Design.....3,3¹,6.
Hydraulics.....1,2,3,3¹.
Thermodynamics.....1,2,3,3¹,6.
Heat Engines.....3.
Descriptive Geometry.....1,4.
Electrochemistry.....3¹,5,6.
Practical Astronomy and Geodesy.....1.
Surveying and Levelling....1,2,4.
Metallurgy.....2,5,6.
Mining and Ore Dressing.....2.
Ore Deposits.....2.
Mill Design.....3,4.
Biology.....5.
Acoustics.....4.

Examinations Held During the Session.

Drawing.....1,2,3,3¹,4.6.
Field Notes.....1,2.
Construction Notes.....1,2,3,3¹,4,6.
Architectural Sketches.....4.
Experimental Heat.....1,2,3,3¹.
Experimental Acoustics.....4.
Practical Electricity.....3.3¹.
Practical Electrochemistry.....3¹,5,6.
Practical Chemistry.....2,5,6.
Practical Biology.....5.
Determinative Mineralogy.....2,5.
Assaying.....2,5.
Crystallography.....2.5.
German.....5,6.

1. Civil Engineering.
2. Mining Engineering.
3. Mechanical and Electrical Engineering.
4. Architecture.
5. Analytical and Applied Chemistry.
6. Chemical Engineering.

DEPARTMENTS.

CIVIL ENGINEERING.

I. YEAR.

MATHEMATICS.

Algebra, plane trigonometry.
Analytical plane geometry.

DRAWING.

Copying from the flat, lettering topography.
Graphics.
Descriptive geometry in its application to plane-sided solids, orthographic (including isometric) and oblique projection.
Original surveys.

CHEMISTRY.

General principles of chemistry.
The elements and their compounds.
Laboratory work.

MINERALOGY.

Introductory course.
Laboratory work.

MECHANICS.

Statics and dynamics (with special reference to structures and machines).

SURVEYING.

Field and office work, chain and compass surveys, topography. preliminary instruction in the use of the transit-theodolite, plotting, mensuration.

II. YEAR.

MATHEMATICS.

Differential and integral calculus.
Spherical trigonometry.
Plane astronomy.

DRAWING.

Subjects of first year continued.
Coloring and shading applied to both topographical and construction drawing.
Descriptive geometry in its application to solids bounded by curved surfaces. Shades and shadows, perspective.
Machines and structures. (Drawings made from both copies and original notes.)

CHEMISTRY.

Heat and its applications.
The materials of construction.
Laboratory work.

MECHANICS.

Statics and dynamics (pure and applied).
Strength and elasticity of materials.

SURVEYING.

Transit-theodolite surveying.
Levelling.
Railway location, curves, etc.
Topographic, hydrographic and mining surveying.

MINERALOGY.

Blowpipe practice.
Determination of minerals.

GEOLOGY.

Elements.

METALLURGY.

Iron and steel.

OPTICS.

Laboratory work.

HYDROSTATICS.

Laboratory work.

VACATION WORK.

Construction Notes.

III. YEAR.

DRAWING.

Subjects of previous years continued.
Descriptive geometry—the various projections of the sphere and principles of map construction, stone cutting.
Original designs—bridges, roofs, floors, arches, etc.

CHEMISTRY.

Water and air.
Photography.
Explosives.

MECHANICS.

Statics and dynamics (pure and applied).
Strength and elasticity of materials.
Theory of construction.
Practical designs—bridges, roofs, floors, arches, retaining walls, foundations, etc.
Thermodynamics and theory of the steam engine.
Hydraulics, sewerage, water supply.

SURVEYING.

Levelling.
Profiles, cross sections, field work and plotting.
Computation of quantities.
Mathematical theory of surveying instruments.
Trigonometrical and barometrical levelling.
Geodesy.
Practical astronomy (treated in the manner required for the O.L.S. and D.L.S. examinations).
Least squares.

HEAT.

Laboratory work.

ELECTRICITY.

Magnetism and electricity.
Electrical machinery.
Power transmission.

GEOLOGY.

Economic geology.

VACATION WORK.

Construction Notes.

MINING ENGINEERING.

I. YEAR.

MATHEMATICS.

Algebra, plane trigonometry.
Analytical plane geometry.

DRAWING.

Copying from the flat, lettering, topography.
Graphics.
Descriptive geometry in its application to plane-sided solids, orthographic (including isometric) and oblique projection.

CHEMISTRY.

General principles of chemistry.
The elements and their compounds.
Laboratory work.

MINERALOGY.

Introductory course.
Laboratory work.

MECHANICS.

Statics and dynamics (with special reference to structures and machines).

SURVEYING.

Field and office work, chain and compass surveys, topography, preliminary instruction in the use of the transit-theodolite, plotting, mensuration.

II. YEAR.

MATHEMATICS.

Differential and integral calculus.
Spherical trigonometry.

DRAWING.

Subjects of the first year continued.
Coloring and shading applied to both topographical and construction drawing.
Descriptive geometry in its application to solids bounded by curved surfaces. Shades and shadows and perspective.
Machines and structures from both copies and original notes.

CHEMISTRY.

Heat and its applications.
The materials of construction.
Laboratory work.

MECHANICS.

Statics and dynamics (pure and applied).
Strength and elasticity of materials.

SURVEYING.

Transit-theodolite surveying.
Levelling.
Railway location, curves, etc.
Topographic, hydrographic and mining surveying.

GEOLOGY.

Elements.

MINERALOGY.

Blowpipe practice.
Determination of minerals.
Lithology

METALLURGY.

Iron and steel.

OPTICS.

Laboratory work.

HYDROSTATICS.

Laboratory work.

VACATION WORK.

Construction Notes.

III. YEAR.

DRAWING.

Subject of previous years continued.
Geological maps and sections.
Mine maps, etc.
Original designs—bridges, roofs, floors, etc.

CHEMISTRY.

Water and air.
Photography.
Explosives.
Analytical chemistry.
Laboratory work.

MECHANICS.

Statics and dynamics (pure and applied).
Strength and elasticity of materials.
Theory of construction.
Thermodynamics and theory of steam engine.
Hydraulics.

SURVEYING.

Levelling.
Profiles, cross-sections, field work and plotting.
Computation of quantities.
Mathematical theory of surveying instruments.
Trigonometrical and barometrical levelling.

ELECTRICITY.

Magnetism and electricity.
Electrical machinery.
Power transmission.

MINERALOGY AND GEOLOGY.

Economic geology.
Palæontology.
Ore deposits.
Determinative mineralogy.
Crystallography.

METALLURGY.

Metallurgy of gold, silver, nickel, copper, etc.
Mining and ore dressing.
Assaying.

HEAT.

Laboratory work.

VACATION WORK.

Construction Notes.

MECHANICAL AND ELECTRICAL ENGINEERING.

I. YEAR.

MATHEMATICS.

Algebra, plane trigonometry.
Analytical plane geometry.

DRAWING.

Copying from the flat, lettering, graphics.
Descriptive geometry in its application to plane-sided solids, orthographic (including isometric), and oblique projection.

CHEMISTRY.

General principles of chemistry.
The elements and their compounds.
Laboratory work.

MECHANICS.

Statics and dynamics (with special reference to structures and machines).

SURVEYING.

Application of trigonometry and principles of measurement (lectures only).

ELECTRICITY.

Magnetism, electrostatics.
Electromagnetism, current electricity.
Wiring and distribution.
Introductory laboratory course.

II. YEAR.

MATHEMATICS.

Differential and integral calculus.
Spherical trigonometry.

DRAWING.

Subjects of previous year continued.
Coloring and shading applied in constructive drawing.
Descriptive geometry in its application to solids bounded by curved surfaces, shades, shadows and perspective.
Machines and structures (drawings made from both copies and original notes).

CHEMISTRY.

Heat and its applications.
The materials of construction.
Laboratory work.

MECHANICS.

Statics and dynamics (pure and applied).
Theory of mechanism.
Strength and elasticity of materials.
Materials of construction.

METALLURGY.

Iron and steel.

OPTICS.

Laboratory work.

HYDROSTATICS.

Laboratory work.

ELECTRICITY.

Electrical measurements, lectures and laboratory work.

VACATION WORK.

Construction Notes.

III. YEAR.

In this year an option is allowed between Theory of Heat Engines and Mill Building Design on the one hand, and Alternating Current, Electrical Design and Electrochemistry on the other. The former is denoted in the time table and elsewhere by 3 and the latter by 3^1.

DRAWING.

Subjects of previous year continued.
Original designs.

CHEMISTRY.

Water and air.
Photography.
Explosives.

ELECTROCHEMISTRY.

Lectures and laboratory work.

MECHANICS.

Subjects of previous year continued.
Applied mechanics.
Mechanics of machinery, machine design, thermodynamics and theory of steam engine, theory of heat engines, hydraulics.
Application of principles to practical problems connected with the design, construction and testing of various prime motors and machines.
Mill building design.

ELECTRICITY.

Lectures and practical work on electromagnetism, applied electromagnetism.
Direct and alternating current.
Dynamo-electric machinery.
Armature windings.
Electrical design.

ORIGINAL DESIGNS.

Engine and machine design.

HEAT.

Laboratory work.

VACATION WORK.

Construction Notes.

SHOPWORK.

In addition to taking the regular course of instruction and passing the requisite examinations, a candidate for the diploma in Mechanical and Electrical Engineering will be required to present satisfactory evidence of having had at least eight months' good practical experience in one of the principal trades connected with mechanical work, such as machinist, pattern-maker, moulder, steam engineer, etc. There is no restriction as to the place where the candidate may have gained such practical experience.

ARCHITECTURE.

I. YEAR.

MATHEMATICS.

Algebra, plane trigonometry.
Analytical plane geometry.

DRAWING.

Copying from the flat, lettering, topography, graphics.
Descriptive geometry in its application to plane-sided solids, orthographic (including isometric) and oblique projection.
Rendering in pencil, and pen and ink.

CHEMISTRY.

General principles of chemistry.
The elements and their compounds.
Laboratory work.

MECHANICS

Statics (with reference to structures).
Dynamics (preliminary to the study of hydraulics).

SURVEYING.

Principles, chain surveying, mensuration.

MINERALOGY.
Introductory course.
Laboratory work.

HISTORY OF ARCHITECTURE.
General introduction.
Ancient architecture.
Egyptian, Assyrian and Persian.

II. YEAR.

MATHEMATICS.
Differential and integral calculus.

DRAWING.
Instrumental drawing, drawing from the cast, sketching and water color, pen and ink.
Descriptive geometry (curved surfaces).
Shades and shadows and perspective.

CHEMISTRY.
Heat and its applications.
The materials of construction.
Laboratory work.

MECHANICS.
Statics (pure and applied).
Strength and elasticity of materials.
Materials of construction.

SURVEYING.
Use of transit and level.
Mensuration.

LITHOLOGY.
Laboratory work.

METALLURGY.
Iron and steel.
Elementary course.

OPTICS.
Laboratory work.

HYDROSTATICS.
Laboratory work.

HISTORY OF ARCHITECTURE.
Greek and Roman.
Romanesque and Byzantine.

ORDERS AND ELEMENTS OF ARCHITECTURE.
Principles of planning.

HISTORY OF ORNAMENT.
Ancient.
Classic—Greek, Roman.

VACATION WORK.
Construction Notes.

III. YEAR.

DRAWING.
Descriptive geometry.
Advanced perspective, stone cutting.
Water colour sketching.
Original designs—floors, trusses, arches, etc.

CHEMISTRY.
Water and air.
Photography.
Explosives.

THEORY OF CONSTRUCTION.
Hydraulics.
Mill building design.

SANITARY SCIENCE.
House drainage and plumbing.
Ventilation and heating.

SURVEYING.
Levelling, setting out excavation, mensuration.

ELECTRICITY.
Magnetism and electricity.
Electrical machinery.
Power transmission.

ACOUSTICS.
Laboratory work.

HISTORY OF ARCHITECTURE.
Gothic and Renaissance, with special reference to England.

ELEMENTS OF DESIGN.
Principles of planning with special reference to residences.
Relation between plan and elevations.

HISTORY OF ORNAMENT.
Early Christian: Gothic and Renaissance.

PRINCIPLES OF DECORATION.

VACATION WORK.
Construction Notes.

ANALYTICAL AND APPLIED CHEMISTRY.

I. YEAR.

MATHEMATICS.

Algebra, plane trigonometry.
Analytical plane geometry.

DRAWING.

Copying from the flat, lettering.
Model drawing.

CHEMISTRY.

General principles of chemistry.
The elements and their compounds.
Inorganic chemistry.
Laboratory work.

MINERALOGY.

Introductory course.
Laboratory work.

GERMAN.

II. YEAR.

CHEMISTRY.

Heat and its applications.
The materials of construction.
Chemical manufactures.
Organic chemistry.
Elementary physical chemistry.
Laboratory work in quantitative and qualitative analysis.

MINERALOGY.

Blowpipe practice.
Determination of minerals.

GEOLOGY.

Physical geography, palæontology and geology.

METALLURGY.

Iron and steel.

OPTICS.

Laboratory work.

HYDROSTATICS.

Laboratory work.

ELECTRICITY.

Electrical measurements, lectures and laboratory work.

GERMAN.

III. YEAR.

CHEMISTRY.

Water and air.
Photography.
Explosives.
Chemical manufactures.
Organic chemistry.
Electrochemistry.
Analytical chemistry.
Laboratory work.

ELECTRICITY.

Magnetism and electricity.
Electrical machinery.
Power transmission.

GEOLOGY.

Economic geology.

MINERALOGY.

Determinative mineralogy.
Crystallography.

METALLURGY.

Gold, silver, nickel, copper, lead.
Assaying.

BIOLOGY.

GERMAN.

CHEMICAL ENGINEERING.

I. YEAR.

MATHEMATICS.

Algebra, plane trigonometry.
Analytical plane geometry.

DRAWING.

Copying from the flat, lettering, graphics.
Descriptive geometry in its application to plane-sided solids, orthographic (including isometric), and oblique projection.

SURVEYING.

Application of trigonometry and principles of measurement (lectures only).

MECHANICS.

Statics and dynamics (with special reference to structures and machines).

CHEMISTRY.

General principles of chemistry.
The elements and their compounds.
Laboratory work.

MINERALOGY.

Introductory course.
Laboratory work.

II. YEAR.

MATHEMATICS.

Differential and integral calculus.

DRAWING.

Subjects of first year continued.
Coloring and shading applied in construction drawing.
Descriptive geometry in its application to solids bounded by curved surfaces; shades and shadows, and perspective.
Machines and structures. (Drawings made from both copies and original notes).

CHEMISTRY.

Heat and its applications.
The materials of construction.
Chemical manufactures.
Organic chemistry.
Elementary physical chemistry.
Laboratory work.

MECHANICS.

Strength and elasticity of materials.
Materials of construction.

METALLURGY.

Iron and steel.

OPTICS.

Laboratory work.

HYDROSTATICS.

Laboratory work.

ELECTRICITY.

Electrical measurements, lectures and laboratory work.

VACATION WORK.

Construction Notes.

III. YEAR.

DRAWING.

Subjects of previous year continued.

CHEMISTRY.

Water and air.
Photography.
Explosives.
Chemical manufactures.
Electrochemistry.
Analytical chemistry.
Laboratory work.

METALLURGY.

Gold, silver, nickel, copper, lead.

MECHANICS.

Subjects of previous year continued.
Applied mechanics.
Machine design, thermodynamics and theory of steam engine.
Application of principles to practical problems connected with the design, construction and testing of various prime motors and machines.

ELECTRICITY.

Magnetism and electricity.
Electric machinery.
Power transmission.

ORIGINAL DESIGNS.

Engine and machine design.

GERMAN.

VACATION WORK.

Construction Notes.

VACATION WORK.

The engineering and architectural students are required to make, during the vacation, full and clear notes of various constructions that may fall under their notice.

The value of the construction notes is taken into account in determining standing at the next annual examination.

THE FOURTH YEAR.

Students who have obtained the diploma given on the completion of the general three years' course in any department or who have fulfilled the conditions for the diploma with the exception of the period of practical work required in the department of Mechanical and Electrical Engineering are recommended to take up the special work of the fourth year leading to the degree of Bachelor of Applied Science.

The fourth year enables students to continue under certain restrictions subjects in which they may be specially interested, thus affording in a measure the advantages of elective studies.

The subjects of the fourth year are arranged in the following groups and subdivisions.

A. { Astronomy.
Geodesy and Metrology.

B. { Architecture.
Strength and Elasticity of Materials.
Hydraulics.
Thermodynamics and Theory of Heat Engines.
Applied Electricity.
Electrochemistry.

C. { Industrial Chemistry.
Sanitary and Forensic Chemistry.
Electrochemistry.
Inorganic and Organic Chemistry.

D. { Mineralogy and Geology.
Metallurgy and Assaying.

E. { Forestry.
Biology.

Students are required to pursue a course of study in either French or German during the fourth year and to take the examinations therein.

Candidates are required to notify the Secretary of the Faculty, in writing, at least two weeks before the opening of the session, of the subjects which they have selected. These subjects will be submitted to the Council for approval.

Undergraduates in the Faculty of Arts of fourth year standing in the Honour Department of Chemistry and Mineralogy may be admitted as students of the fourth year in group C.

Undergraduates in the Faculty of Arts of fourth year standing in the Honour Department of Chemistry and Mineralogy and graduates in the Honour Department of Geology and Mineralogy may be admitted as Fourth Year students in Group D. provided that they have previously taken such back work in the Faculty of Applied Science as may be considered necessary by the Council. In order to afford the opportunity for this back work such candidates are required to make application to the Council at least one year in advance.

Each student is required to prepare a thesis on a subject approved by the Council.

The title of the thesis must be sent to the Council for approval before its regular meeting in November.

This thesis must be handed to the Secretary of the Faculty not later than the 20th day of March and shall become the property of the University.

Pass and Honours.

The minimum percentage for pass are as follows:—

TERM WORK:—

Attendance in each laboratory in each term	90
Examinations of work in each laboratory in each term	50

The examinations in French and German will be included in the term work.

A report of the results of the term work and examinations must be made by the Professor in charge, to the Council at the close of each term.

ANNUAL EXAMINATIONS:—

Each examination	33
Thesis	50

The minimum percentages for honours are as follows:—

Term work of the session	75
Each of the two subdivisions at the Annual Examinations	66
Thesis	75

The Annual Examinations for the degree shall be held in April and the Supplemental examinations in September.

DEGREE OF BACHELOR OF APPLIED SCIENCE (B.A.Sc.).

Each candidate who has completed the fourth year and who holds the diploma of the Faculty of Applied Science or is of full Fourth Year standing in the Honour Department of Chemistry and Mineralogy or is a graduate in the Honour Department of Geology and Mineralogy will be entitled to receive the degree of Bachelor of Applied Science (B.A.Sc.).

The degree with honours will be conferred on each candidate otherwise eligible who has obtained three honours at the annual examinations.

SUBSEQUENT PROFESSIONAL DEGREES.

The attention of graduates is directed to the following statute, passed by the Senate of the University of Toronto in 1896:—

By the Senate of the University of Toronto.

Be it enacted:

I. That the previous Statutes of the University relating to degrees or diplomas in Engineering be repealed.

II. That the following degrees be hereby established, viz., Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), Electrical Engineer (E.E.).

III. That the following be the conditions and regulations governing the conferring of the said degrees.

1. A candidate for one of the said degrees shall hold the diploma of the School of Practical Science and the degree of Bachelor of Applied Science of the University of Toronto, except in the case provided for in clause 11 hereunder.

2. He shall have spent at least three years after receiving the degree of Bachelor of Applied Science in the actual practice of the branch of engineering wherein he is a candidate for a degree.

3. Intervals of non-employment or of employment in other branches of engineering shall not be included in the above three years. It shall not be necessary that the several periods requisite to make up the said three years be consecutive.

4. Satisfactory evidence shall be submitted to the University examiners as to the nature and length of the candidate's professional experience for the purpose of clauses 2 and 3.

The Examiners shall satisfy themselves by oral or written examinations in regard to the candidate's experience and competence.

5. The candidate shall prepare an original thesis on some engineering subject in the branch in which he wishes a degree; the said thesis to be accompanied by all necessary descriptions, details, drawings, bills of quantities, specifications and estimates.

The candidates may be required at the option of the Examiners to undergo an examination in the subjects of this thesis.

6. Notice in writing shall be sent to the Secretary not later than the first day of February, informing him of the degree to which the candidate wishes to proceed and of the title of his proposed thesis for the approval of the Senate.

7. The evidence under clause 4, and the thesis, with accompanying papers, described in clause 5, shall be sent to the Secretary not later than the first day of April.

8. The candidate shall be required to present himself for examination in the month of April at such time as may be arranged by the Secretary.

9. The fee for any one of the said degrees shall be twenty dollars, and shall be paid to the Bursar not later than the first day of April.

10. The thesis, drawings, and other papers sumbitted under clause 7 shall become the property of the University.

11. Candidates who graduated from the School of Practical Science before June, 1895, shall not be required to hold the degree of Bachelor of Applied Science.

For the better carrying out of the provisions of the above statute the following statute constituting the Board of Examiners for professional degrees in Engineering was passed by the Senate on December 14th, 1900.

By the Senate of the University of Toronto

Be it enacted:

1. That the Examiners for the degree of Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), and Electrical Engineer (E.E.), be appointed at least twelve months in advance of the date of the examinations for which their services are required.
2. That the said Examiners constitute the Board of Examiners for degrees in Engineering.
3. That the members of the Board shall select one of their number to act as chairman within one month from the date of their appointment.
4. That candidates for examination applying to the Registrar for information respecting the nature or details of the examinations for the said degrees, shall be directed by him to communicate with the chairman of the said Board, who shall forward to the candidates either directly or through the Registrar the decision of the Board.
5. That the chairman of the Board shall keep a record book in which he shall enter the minutes of the proceedings of the Board. He shall also keep a file in book form of all correspondence with candidates for examination and other official correspondence; and shall at the close of the examinations transmit to the Secretary a copy of the said minutes and correspondence.
6. That at the close of the examinations, the Board shall forward a report of the results to the Council for transmission to the Senate. The report shall be signed by the Examiners or by the Chairman of the Board on their behalf.
7. That the Secretary shall furnish each Examiner on his appointment with a copy of this statute and a copy of the statute respecting degrees in Engineering.

Extract from the Ontario Act Respecting Land Surveyors and Survey of Lands (R.S.O.).

"26. Any person serving as an apprentice as hereinafter provided, may, with the permission of the Board of Examiners, attend the Ontario School of Practical Science, or any school, college or university, the course of study in which is in the opinion of the Board, sufficiently

similar to that in the Ontario School of Practical Science, for the purpose of taking any course of study which includes any subject required for the final examination for admission to practice as a land surveyor, but the total period of such apprenticeship and of such course of study shall not exceed the period of four years from the date of the articles of apprenticeship as above mentioned, and not less than three years of the said period of four years shall be passed in the actual service of a practising Ontario Land Surveyor.

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"28. The privilege of a shortened term of apprenticeship shall also be accorded to any graduate of the Royal Military College at Kingston and of the Ontario School of Practical Science in civil engineering or in mining engineering, or of the McGill College, Montreal, in civil engineering or in mining engineering, and such person shall not be required to pass the preliminary examination hereinbefore required for admission to apprenticeship with a land surveyor, but shall only be required to serve under articles with a practicing land surveyor duly filed as required by section 32 of this Act, during twelve successive months of actual practice, after which, on complying with all the other requirements, he may undergo the examination prescribed by this Act.

"29. Such person at any time during his apprenticeship may, with the permission of the Board of Examiners, attend the Ontario School of Practical Science, or any school, college or university, the course of study in which is, in the opinion of the Board, sufficiently similar to that in the Ontario School of Practical Science, for the purpose of taking any course of study which includes any subject required for the final examination for admission to practice as a land surveyor, but the total period of such apprenticeship, and of such course of study, shall not exceed the period of two years from the date of the articles of apprenticeship as above mentioned, and not less than twelve months of the said period of two years shall be passed in the actual service of a practicing Ontario Land Surveyor."

Extract from Act Respecting Manitoba Land Surveyors.

"28. (1) The privilege of a shortened term of apprenticeship shall be accorded to graduates of the Royal Military College of Canada and to graduates in civil engineering of the University of McGill College of Montreal, the School of Practical Science of Toronto, the School of Mining at Kingston, and graduates of Manitoba University who have taken first or second class honours in the special course in mathematics; and such graduates shall not be required to pass the preliminary examination hereinbefore prescribed for admission to apprenticeship with a land surveyor, but shall only be required to serve under articles with a practicing land surveyor, duly filed as required by section 24 of this Act,

during twelve successive months of actual practice, of which at least six months shall be actual practice in the field, after which, on complying with the other requirements of this Act, he may undergo the examination for commission to practice prescribed by this Act."

Extract from the Dominion Lands Act.

"Every graduate in surveying of the Royal Military College of Canada, and every person who has followed a regular course of study in all branches of education required by this Act for admission as a Dominion Land Surveyor, through the regular sessions, for at least two years in any college or university where a complete course of theoretical and practical instruction in surveying is organized, and who has thereupon received from such college or university a diploma as civil engineer, shall be exempt from serving three years as aforesaid, and shall be entitled to examination after one year's service under articles with a Dominion land surveyor, at least six months of which service has been in the field, on producing the affidavit required by the next preceding clause as to such service; but it shall rest with the Board to decide whether the course of instruction in such college or university is that required by this clause."

The attention of the candidates for the Diploma of D.T.S. given by the Dominion Board of Examiners, is directed to the facilities afforded for preparation in the School.

Extract from the Ontario Architects' Act.

"Any student who has matriculated in Arts in any University in His Majesty's dominions, or in the Ontario School of Practical Science, shall not be required to pass the preliminary examinations.

"23. Any person who applies for admission to registration as an architect after the coming into force of this Act, shall be not less than twenty-one years of age, shall have served as a student not less than five years with a principal or principals entitled to register under this Act, or with any other principal or principals approved by the Council, and have passed such qualifying examinations as may be required by this Act.

"24 (3) Any person who has graduated from the Ontario School of Practical Science shall be required to serve only three years as a student, one of which three years may be served during the vacation of such school.

"(4) Upon and after the passing of this Act, students shall serve such term as is required to be served by the provisions of this Act, under indenture to be a registered architect, which indenture and any assignment thereof with affidavit of execution thereto attached shall be filed with the Registrar upon payment of such fees as the Council may by regulation direct.

SUBJECTS OF INSTRUCTION.

DRAWING.

Model drawing, machines and structures, map and topographical drawing, designs and estimates, graphical calculations.

Descriptive geometry, including practical geometry (plane and solids), orthographic, oblique and perspective projections; intersection of surfaces, shades and shadows, stone cutting, theory of mechanism, theory of mapping, etc.

Text Books and Books of Reference.

Church—Descriptive Geometry.
Davidson—Projections.
Millar—Descriptive Geometry.
MacCord—Lessons in Mechanical Drawing.
Reinhardt—Lettering for Draughtsmen, Engineers and Students.
Worthen—Topographical Drawing.

SURVEYING AND LEVELLING.

LAND SURVEYING.

Chain Surveys.
Compass and theodolite surveys.
Method of keeping field notes.
Determination of heights and distances.
Plotting.

LEVELLING.

Longitudinal and cross sections.
Plotting.

SETTING OUT.

Setting out straight lines and curves.
Setting out levels.

MENSURATION.

Lines, surfaces and solids.
Timber, masonry, iron and earthwork.
Capacity of reservoirs, etc.
Lectures are also given on the distinctive features of Mining and Hydrographic Surveying.

Text Books and Books of Reference.

Brough—Mine Surveying.
Gillespie—Higher Surveying.
Gillespie—Land Surveying and Direct Levelling.
Henck or Searle—Railway Curves.
Johnson—Theory and Practice of Surveying.
Murray—Manual of Land Surveying.

PRACTICAL ASTRONOMY AND GEODESY.

ORDINARY COURSE.

The work included in this course is sufficient to fulfil the requirements of the final examination for Ontario and Dominion land surveyors.

In astronomy the principal subjects are the determination of time, latitude and azimuth, and the general principles of the method of determining longitude. Practical instruction is given in the methods of taking observations.

In geodesy all surveys, computations and methods of map construction are based upon the requirements of secondary triangulation.

ADVANCED COURSE (Fourth Year).

The work of this course is intended to fulfil the requirements of the final examinations for Dominion Topographical Surveyors. It is distinguished from the work of the ordinary course not so much by the subjects as by the degree of refinement to which the investigations are carried.

In geodesy the requirements of primary triangulation are kept in view.

Text Books and Books of Reference.

Chauvenet—Spherical and Practical Astronomy.
Doolittle—Practical Astronomy.
Gillespie—Higher Surveying.
Gore—Elements of Geodesy.
Green—Spherical and Practical Astronomy.
Helmert—Hohere Geodasie.
Nautical Almanac, 1908.

APPLIED MECHANICS.

STATICS.

The calculation of the stresses in framed structures, solid and riveted beams, arches, etc. Both graphical and analytical methods used.

THEORY OF THE STRENGTH AND ELASTICITY OF MATERIALS.

THEORY OF COMPOUND STRESS.

DESIGN OF STRUCTURES in timber, iron and masonry-arches, retaining walls, roofs, bridges, etc.

DYNAMICS.

Representation and measurements of forces and motions.
Principles of work and energy.
Efficiency of machines. Friction.
Transmission of energy—belts, shafts, cranks and connecting rod, etc.
Fly-wheels, governors.
Balancing of machinery, etc., etc.

STRENGTH OF THE PARTS OF MACHINES.

MACHINE DESIGN.

HYDRAULICS.

Discharge of water through orifices, notches, etc. Flow in pipes and open channels. Sewerage, water-works, water-power, water-wheels, turbines, pumps, etc.

THERMODYNAMICS AND THEORY OF THE STEAM ENGINE.

Text Books and Books of Reference.

Baker—Masonry Construction.
Billings—Heat and Ventilation.
Bodmer—Hydraulic Motors, Turbines, etc.
Buel and Hill—Reinforced Concrete.
Cambria Steel.
Carnegie Pocket Companion.
Carpenter—Heating and Ventilation of Buildings.
Carpenter—Experimental Engineering.
Du Bois—Graphic Statics.
Du Bois—Strains in Framed Structures.
Foster——Electrical Engineers' Pocket Book.
Gerhardt—House Drainage and Sanitary Plumbing.
Gillette—Hand Book of Cost Data.
Greene—Trusses and Arches.
Innes—Centrifugal Pumps, Turbines and Water Motors.
Johnson—Modern Framed Structures.
Johnson—Materials of Construction.
Kennedy—Mechanics of Machinery.
Kent—Mechanical Engineers' Pocket Book.
Ketchum—Steel Mill Buildings.
Kidder—Building Construction and Superintendence.
Kidder—Architect and Builders' Pocket Book.
Lanza—Applied Mechanics.
Low and Bevis—Machine Drawing and Design.
Low—Machine Drawing.
Marsh—Reinforced Concrete.
Merriman and Jacoby—Roofs and Bridges.
Merriman—Mechanics of Materials.
Merriman—Hydraulics.
Patton—Foundations.
Peabody—Thermodynamics.
Peabody—Steam Tables.
Rafter and Baker—Sewage Disposal in the United States.
Rankine—Applied Mechanics.
Reuleaux—The Constructor.

Santo Crimp—Sewage Disposal Works.
Unwin—Testing of Materials of Construction.
Von Ott—Graphic Statics.
Unwin—Elements of Machine Design.
Trautwine—Engineers' Pocket Book.
Williamson—Elasticity.

THEORY OF MECHANISM.

Principles of the transmission of motion without reference to force.

Pitch surfaces, spur wheels, bevel wheels, skew-bevel wheels, trains of wheelwork, teeth of wheels, cams, cranks, eccentrics, links, bands and pulleys, hydraulic connections, frictional Gearing, link motion for slide valves, etc.

Text Books and Books of Reference.

Auchincloss—Valve and Link Motions.
Goodeve—Elements of Mechanism.
Halsey—Slide Valve Gears.
Kennedy—Mechanics of Machinery.
Rankine—Machinery and Millwork.
Reuleaux—Kinematics and Machinery.

ELECTRICITY.

Instruction is given in this subject by a course of lectures and by work in the laboratories of the School.

The work comprises:—

INTRODUCTORY COURSE.

Lectures treating the principles of magnetism and electricity in an elementary manner.

Lectures on electric circuits, wiring and distribution by feeders.

Short laboratory course.

ELECTRICAL MEASUREMENTS.

Lectures and laboratory work on methods of measuring resistance, current, voltage, power, energy, candle-power, etc.; calibration of instruments, location of faults, etc.

DYNAMO ELECTRIC MACHINERY.

Lectures on electromagnetism, theory of direct current machinery, of alternating current circuits and machinery, of armature windings, and design.

Laboratory work on magnetism, magnetic properties of iron and complex magnetic circuits; on properties of conductors, insulation and dielectrics; on photometry of electric lights; on properties of shunt, series and compound-wound generators

and motors, etc. Experiments illustrating design. Work on inductance and capacity in alternating circuits, phase relations, measurement of power in polyphase circuits; study of transformers, alternators, induction motors, alternating arc lamps, etc.

ADVANCED COURSE (Fourth Year).

Lectures on mathematical theory of transformers, alternators, synchronous and induction motors, converters, high tension transmission, etc.

Laboratory work on constant voltage and constant current transformers, alternators, synchronous, induction and single-phase commutator motors, rotary and mercury converters, transmission, design; work with oscillograph, etc.

The advanced course may be taken by students in Mechanical and Electrical Engineering who take the "electrical option." Shorter courses are also arranged for students in other departments.

Text Books and Books of Reference.

Bedell and Crehore—Alternating Currents.
Bedell—Principles of the Transformer.
Bell—Electric Power Transmission.
Carhart and Patterson—Electrical Measurements.
Ewing—Magnetic Induction in Iron.
Fleming—Alternating Current Transformers, Vols. I. and II.
Franklin and Williamson—Alternating Currents.
Hooper and Wells—Electrical Problems.
Jackson—Electromagnetism and the Construction of Dynamos.
Kempe—Electrical Testing.
Loudon and McLennan—Practical Physics.
Parshall and Hobart—Armature Winding.
Parshall and Hobart—Electric Generators.
Raymond—Alternating Current Engineering.
Ryan, Norris and Hoxie—Text Book of Electrical Machinery.
Steinmetz—Elements of Electrical Engineering.
Steinmetz—Alternating Current Phenomena.
Behrend—Induction Motor.
McAllister—Alternating Current Motors.
Thompson, S. P.—Elementary Electricity and Magnetism.
Thompson, S. P.—Dynamo Design.
Thompson, S. P.—Dynamo Electric Machinery, Vols. I. and II.
Wiener—Dynamo Electric Machines.

ARCHITECTURE.

HISTORY OF ARCHITECTURE.
- Egyptian, Assyrian and Persian.
- Classic.
- Romanesque and Byzantine.
- Gothic.
- Renaissance.

ORDERS OF ARCHITECTURE.
HISTORY OF ORNAMENT.
PRINCIPLES OF DECORATION.
PRINCIPLES OF PLANNING.
ELEMENTS OF DESIGN.

Text Books and Books of Reference.

Fergusson—History of Architecture.
Fletcher—A History of Architecture.
Gwilt—Encyclopaedia of Architecture.
Leeds—Orders of Architecture.
Osborne—Art of House Planning.
Owen Jones—Grammar of Ornament.
Racinet—L'Ornament Polychrome.
Rickman—Gothic Architecture.
Sharpe—Seven Periods of Church Architecture.
Smith, T. Roger—Classic and Early Christian Architecture.
Smith, T. Roger—Gothic and Renaissance.
Stratham—Architecture for General Readers.
Sturgis—European Architecture.
Vignole—The five Orders of Architecture.

MATHEMATICS AND PHYSICS.

ALGEBRA.
PLANE TRIGONOMETRY.
ANALYTICAL GEOMETRY.
CALCULUS.
PLANE ASTRONOMY.
SPHERICAL TRIGONOMETRY.

Text Books and Books of Reference.

Hall and Knight—Plane Trigonometry.
Loomis—Calculus.
Newcombe and Holden—Astronomy.
Osborne—Calculus.
C. Smith—Conic Sections.
Todhunter—Algebra.
Todhunter and Leatham—Spherical Trigonometry.

PHYSICS.

OPTICS.

Laws of reflection and refraction.
Optical constants of mirrors, lenses, etc.
Theory of optical instruments.

HYDROSTATICS.

Laws of fluids at rest.
Hydrostatic machines.
Buoyancy.

HEAT.

Thermometery and Calorimetry.
Coefficients of expansion.
Mechanical equivalent.

ACOUSTICS.

Mode of propagation and velocity of sound.
Laws of vibrating bodies.
Architectural acoustics.

Text Books and Books of Reference.

Ames & Bliss—Manual of Experiments in Physics.
Czapski—Theory of Optical Instruments.
Deschanel—Principles of Physics.
Edser—Light.
Edser—Heat.
Hastings and Beach—General Physics.
Lummer—Photographic Optics.
Minchin—Hydrostatics.
Preston—Theory of Heat.
Preston—Theory of Light.
Poynting and Thomson—Sound.
Robinson—Hydraulic Machinery.
Tyndall—Sound.

CHEMISTRY.

Inorganic and organic chemistry.
Applied chemistry.
The chemistry of combustion, fuels, furnaces, artificial lighting, explosives, photography, building materials, water, air, sewage, chemical manufactures.
Physical chemistry.
Laboratory work, including technical analysis, the analysis of food, water and air, and toxicology.

Text Books and Books of Reference.

Allen—Commercial Organic Analysis.
Arnold—Steel Works Analysis.
Beilstein—Organic Chemistry.
Blair—Chemical Analysis of Iron and Steel.
Blount—Electrochemistry.
Bloxam—Chemistry.
Bloxam and Blount—Chemistry for Engineers and Manufacturers.
Blyth, A. W.—Poisons.
Blyth, A. W.—Foods.
Bolley—Handbuch der Chemischen Technologie.
Dammer—Handbuch der Anorganischen Chemie.
Fresenius—Qualitative and Quantitative Analysis.
Furman—Manual of Practical Assaying.
Hempel—Gas Analysis.
Lord—Notes on Metallurgical Analysis.
Lunge—Sulphuric Acid and Alkali.
Lunge—Coal Tar and Ammonia.
Meyer—History of Chemistry.
Miller—Quantitative Analysis for Mining Engineers.
Newth—Manual of Chemical Analysis.
Noyes—Qualitative Chemical Analysis.
Ostwald—Lehrbuch der Allgemeinen Chemie.
Ostwald—Outlines of General Chemistry.
Ostwald—Principles of Inorganic Chemistry.
Pattison Muir—Thermochemistry, Elements of.
Perkin and Kipping—Organic Chemistry.
Poole—Calorific Value of Fuels.
Remsen—Inorganic and Organic Chemistry.
Roscoe and Schorlemmer—Treatise on Chemistry.
Sadtler—Organic and Applied Chemistry.
Smith, A.—Inorganic Chemistry.
Sutton—Volumetric Analysis.
Thorp—Outlines of Industrial Chemistry.
Thorpe—Dictionary of Applied Chemistry.
Treadwell—Lehrbuch der Analytischen Chemie.
Wagner—Chemical Technology.
Walke—Lectures on Explosives.
Watt—Dictionary of Chemistry.
Wiechman—Sugar Analysis.

ELECTROCHEMISTRY.

Text Books and Books of Reference.

Arrhenius—Lehrbuch der Elektrochemie.
Blount—Electrochemistry.

Borchers—Electric Smelting and Refining.
Dolezalek—The Accumulator.
Elbs—Electrolytic Preparations.
Jaeger—Normalelemente.
Le Blanc—Electrochemistry.
Lehfeldt—Electrochemistry.
Liebetanz—Calciumcarbid and Acetylen.
Lorenz—Elektrochemisches Praktikum.
Luepke—Elements of Electrochemistry.
Minet—Gewinnung des Aluminiums.
Moissan & Lenher—The Electric Furnace.
Oettel—Electrochemische Uebungsaufgaben.
Wade—Secondary Batteries.

MINERALOGY, GEOLOGY AND METALLURGY.

1. Mineralogy and Geology.
   - Geology and Palæontology.
   - Mineralogy and Crystallography.
   - Petrography.
   - Physical geography.
   - Blowpipe analysis.
   - Determinative mineralogy.
2. Mining and Metallurgy.
   - Mining Geology.
   - Ore dressing.
   - Metallurgy of iron and steel.
   - Metallurgy of gold, silver, copper, nickel, etc.
   - Assaying.
   - Milling.

Text Books and Books of Reference.

Chapman and Brush—Mineral Tables.
Crosby—Determination of Minerals.
Dana—Manual of Geology.
Dana—Minerals and how to study them.
Dana—Text Book of Mineralogy.
Furman—Assaying.
Geikie—Text Book of Geology.
Harker—Petrography for Students.
Hofman—Metallurgy of Lead.
Hixon—Lead and Copper Smelting.
Ihlseng—Manual of Mining.
Kemp—Handbook of Rocks.
Kemp—Ore Deposits of the United States.

Kuhnhardt—Ore Dressing.
Nicholson—Palæontology.
Peters—Modern Copper Smelting.
Phillips—Ore Deposits.
Phillips and Bauerman—Elements of Metallurgy.
Plattner—Manual of Blowpipe Analysis.
Richards—Ore Dressing.
Rickard—Gold Milling.
Roberts-Austen—Metallurgy.
Rose—Metallurgy of Gold.
Rosenbusch—Petrography.
Williams—Crystallography.

THERMODYNAMIC LABORATORY.

The thermodynamic laboratory contains a 50-horse power Brown engine. The engine was constructed especially for experimental investigations, and the cylinder has steam jackets on the body and both ends arranged so that any or all of them may be used at once, or that all may be shut off as desired. The exhaust steam may be passed through a feed-water heater to the open air, or to a jet condenser or to a Wheeler surface condenser, the latter of which was kindly presented to the School by the inventor, Mr. F. M. Wheeler, of New York.

A compound Willans engine has recently been installed as a part of this laboratory. This engine is so arranged that it may be run condensing or non-condensing and it may also be converted into a simple engine if desired, thus allowing considerable latitude in the way of experimental work.

A De Laval turbine has also been placed in the laboratory, and is arranged with two alternative exhausts, direct to the atmosphere and to a surface condenser, suitable nozzles being provided for either purpose.

There are also a Blake circulating pump, a Knowles air pump, and a Blake feed pump, which is a gift of the manufacturers. Several injectors of various types are also available for experimental work and examination.

The steam for the plant is supplied by a Babcock & Wilcox boiler, and a Harrison-Wharton boiler.

For the work on internal combustion engines an engine of 10-horse power working on the Otto cycle has recently been installed. This engine is adapted for the use of gas or oil and has several independent methods of ignition. It is also so constructed that the effect of varying the compression pressure may be readily investigated.

An Ericsson air engine completes the experimental equipment of this laboratory. There are, in addition, the usual measuring instruments required in thermodynamic investigations, among which may be men-

tioned indicators of various types, gauges, gauge testing apparatus, calorimeters, both throttling and separating, scales, brakes, dynamometers, anemometers, thermometers, a platinum and platino-rhodium thermo-couple, and other instruments.

HYDRAULIC LABORATORY.

This laboratory contains two large steel tanks arranged for the experimental study of the flow of water through orifices and over weirs. Both orifices and weirs may be conveniently changed.

The discharge is measured by two tanks which are filled and emptied alternately by means of four valves operated by a single lever, thus enabling the measuring to be continued for any length of time without interrupting the flow.

The water is supplied by a new centrifugal pump of latest design and construction. This pump is so designed that it will give a discharge of 1,000,000 gallons per 24 hours, or it may be arranged to give half the discharge against double the head. In addition to being useful as a pump to supply water for the hydraulic work it forms an excellent piece of laboratory equipment and is so arranged that experiments may be made on it as to discharge and efficiency under varying conditions of speed and head.

For the work on turbines, etc., a six-inch New American turbine, the gift of the firm of William Kennedy & Sons, Owen Sound, has been set up so that efficiency determinations under different gate openings and heads may be made. In addition to this a thirty-six inch axial impulse turbine, and a Pelton wheel, each being provided with suitable brakes, means of accurately measuring the discharge continuously, and other requirements for experimental work have been installed. A small Doble wheel and a nine-inch McCormick turbine have also been added to the laboratory. There are also three centrifugal pumps, one made by the Morris Machine Works, another which has been kindly presented to the School by the Northey Co., Limited, Toronto, the manufacturers, and a third which has been specially designed and built for a more careful line of experimental work than is possible with the ordinary commercial pump of this class. A dynamometer and other necessary apparatus are provided for adopting these pumps to scientific investigations.

A Venturi meter has also been installed, and apparatus has been arranged so that the discharge from different forms of nozzles, and the frictional losses in elbows, valves, etc., may be determined.

Pipes have also been arranged so that the loss due to friction in iron pipes and fire hose may be determined, and the conditions of flow examined by means of the Pitot tube.

There are the usual measuring instruments, gauges, gauge-testing apparatus, scales, brakes and dynamometers.

STRENGTH OF MATERIALS LABORATORY.

The machines in this department are the following:—

An Emery 50-ton machine, built by William Sellers & Co., of Philadelphia, for making tests in tension and compression.

A Reihle 100-ton machine for making tests in tension, compression, shearing and cross-breaking. It will take in posts twelve feet long and beams up to eighteen feet in length.

A Reihle 10-ton universal testing machine.

A Buckton 15-ton universal testing machine.

An Olsen torsion machine for testing the strength and elasticity of shafting. This machine will twist shafts up to sixteen feet in length and two inches in diameter.

A Reihle transverse testing machine of 5,000 pounds capacity adapted to specimens up to 48 inches in length.

A Reihle abrasion machine, for testing the resistance to attrition of stones, brick, etc.

Extensometers of the Bauschinger, Unwin, Marshall and other types, besides a large number of micrometers and scales.

The shop is equipped with a number of high-class machine tools specially fitted for reducing the specimens to the requisite shapes and dimensions with a minimum of hand labour. It is also supplied with the necessary appliances for making ordinary repairs and for making special apparatus for original investigations.

CEMENT TESTING LABORATORY.

This department is fitted with all the usual moulds, gravimeters, tables and tank accommodation necessary in a well equipped laboratory.

In this laboratory there are also the following:—

A Reihle 2,000 pound machine, fitted for either tension or compression.

A 2,000 pound Fairbank's shot machine for tension.

An extra large Faija's hot bath apparatus.

METROLOGICAL LABORATORY.

In the geodetic and astronomical departments are a 100-foot and a 66-foot standard of length; a 10-foot Rogers comparator with a graduating attachment; a Kater's pendulum with a vacuum chamber; a Howard astronomical clock and electro-chronograph; a sidereal chronometer; a Cooke astronomical transit instrument; a zenith telescope, a Troughton & Simms 10-inch theodolite, a level trier, sixteen surveyor's transits, eleven levels, compasses, sextants, plane tables, micrometers, planimeter, etc.; and all the necessary field instruments.

ELECTRICAL LABORATORY.

Galvanometer laboratories:—Two laboratories are equipped with numerous galvanometers, resistance boxes, bridges, potentiometers, standard resistances, standard cells, etc., and much other usual and special apparatus for varied electrical experiments of the more delicate variety.

A third laboratory is fitted more especially for calibration of electrical instruments for alternating and direct currents. Some ninety portable measuring instruments are available for students' use, also standard instruments, including Weston laboratory standards, Kelvin balances, etc., with which the portable instruments may be compared.

Photometric laboratory:—This laboratory contains apparatus for studying the various types of arc and incandescent lamps.

Direct current machine laboratory:—This laboratory contains twelve dynamos and motors varying in capacity from 2 to 20 kilowatts, adapted for experiments illustrating the properties of compound, shunt and series dynamos and motors, arc machines, etc. Switchboards, numerous rheostats, lamp racks, starting boxes, circuit breakers, flexible cables, brakes, torsion dynamometers, tachometers, etc., are available for use with the machines. The students are supplied with the best standard portable ammeters and voltmeters obtainable.

Alternating current machine laboratory:—This laboratory contains two special 15 k.w. General Electric polyphase revolving field alternators direct-driven by Westinghouse motors, a 10 k.w. rotary converter, a special 7½ k.w. General Electric polyphase induction motor with open rotor circuits, Wagner single phase motor, Westinghouse single phase series motor, Westinghouse alternator, and several three phase induction motors; also transformers, reactive coils, lamp racks, rheostats, circuit breakers, flexible cables, brakes and other details for experiments on the properties of alternating currents and alternating current apparatus in general. A constant-current transformer with full load of series arc lamps, three oscillographs for studying wave forms, a high-potential transformer and a mercury arc rectifier may also be mentioned. The students are supplied with Weston, Westinghouse and Thomson portable instruments for measuring purposes.

GEOLOGICAL AND MINERALOGICAL LABORATORIES.

By the erection of a new Chemistry and Mineralogy Building on College Street the University has secured for the first time really modern laboratory equipment for the departments of Geology and Mineralogy.

For students of science generally brief courses are given in laboratory work, especially in personal examination of type sets of rocks, fossils, minerals and crystal models. These laboratory exercises serve to illustrate the introductory didactic instruction.

For the encouragement of pure crystallography the laboratories are supplied with goniometers of the various types, crystal models, appliances for the cutting of oriented crystal sections and for the physical examination of the same. Practical Petrography is carried on in rooms provided with type sets of rocks, both macroscopic and microscopic. Advanced students are taught to make thin sections of rocks and fossils and to study them microscopically. Students in Palæontology are given instruction in the preparation of material for study and are afforded an opportunity of examining type series of specimens.

The laboratory for the preparation of thin sections of rocks, minerals and fossils is provided with electric diamond saws and grinding appliances for the various types of work incidental to the preparation of thin sections and museum material.

A room is also provided for advanced work in Cartography and Geological Surveying.

The departments possess 28 petrological microscopes and five of other types so that it is now possible to provide advanced students with instruments and sets of thin sections for their own especial use. The blowpipe laboratory contains 156 lockers, especially designed for apparatus for students.

ASSAYING LABORATORIES.

Two assaying laboratories are situated in the basement of the Chemistry and Mining building, one has a floor space of 17 feet x 47 feet, and the other 28 feet x 37 feet, adjoining each is a room 15 feet x 11 feet, with the necessary equipment for the wet work in connection with assaying. Common to both laboratories is a balance room furnished with gold balances set on a concrete pier. Each of the laboratories contains a number of melting holes (18 in all) for crucible fusions, various gas furnaces both for crucibles and mufflers, and a large brick muffle furnace.

The furniture comprises lockers for the students, tables for the pulp balances and the necessary cabinets and shelving.

Adjoining the assay laboratories is a preparation room (19 feet x 13 feet) which is equipped with a motor, crusher, pulverizer, sample grinder and all the necessary hand pulverizers, screens, etc., for preparing ores for assay.

The metallurgical room is 40 feet x 21 feet and is equipped at present with a reverberatory furnace for roasting sulphide and arsenical ores, fume cupboard, lockers, tables, etc., and is intended for hydro-metallurgical work.

MILLING AND CONCENTRATING PLANT.

A detached building 72 feet x 70 feet in area, contains the milling and concentrating equipment. It is heated, lighted and supplied with power from the main building, and is divided into two parts. The greater part, with 72 feet x 53 feet floor space, and 22 feet high, contains the milling and concentrating equipment. The machinery for the former operations consists of a five-stamp battery erected on concrete foundation, Challenge ore feeder, amalgamating plates, Wilfley table for concentration, a clean up pan, steel settling tanks, a steel tank suspended from the roof girders to furnish a constant supply of water, and a track with travelling crawl to transport ore.

The concentrating part consists of a set of five revolving trommels for wet screening, four three-compartment jigs, a trough classifier delivering three products, and two revolving buddles. The waste products run to the same settling tanks as the tailings from the stamp battery. The ore is handled by a travelling crawl. All the machinery in this part is driven by a 10-horse power motor.

The plant throughout is intended mainly for experimental purposes and is made of such a size that numerous experiments can be carried out on small quantities of ore.

Tests can also be made on lots of one or two tons.

The other part of the milling building, with 72 feet x 17 feet floor space and 15 feet high, is divided into four separate rooms. The largest of the four rooms has an area of 476 square feet and is devoted to the crushing and pulverizing of the ores preparatory to their treatment in the milling and concentrating room. It is isolated in order to confine the dusty operations as far as possible to this one room, and is equipped with a gyrating crusher of Hadfield's make, a set of Hamilton rolls 16 inches by 12 inches, platform scales for weighing ore, a jib crane, pulleys, buckets, etc., for handling the rock. An adjoining room contains a 30-h.p. motor for driving the machinery of the crushing department, and storage bins for ore, work bench, etc. Another room with 17 feet x 15 feet floor space, is furnished with a magnetic separator of the Rowan-Wetherill make, driven by its own motor.

One room of the same size as the above remains available for future additions.

PHYSICAL LABORATORIES.

The Optical laboratory is equipped with optical benches and accessories for determining the optical constants of mirrors, lenses and lens combinations and for demonstrating the construction and use of telescopes, field glasses, microscopes, etc. There is a full equipment of optical instruments, including telescopes, microscopes, field glasses, comparators, spectrometers, saccharimeters, refractometers, level

tester, photometer, focometer, dynameter, cathetometer and cameras, a Newton lantern for miscroscopic projection in ordinary and polarized light, and a Thompson lantern for projection by transmission and reflection.

The Hydrostatic laboratory contains a supply of various forms of hydrometers, hydrostatic balances, Jolly balance, Mohr's balance, hydrostatic press, vacuum pumps, gauges, etc.

The Heat laboratory is equipped with a full supply of calorimeters and accessories for determinations of latent and specific heat. There is also a steam boiler and jacketed tubes for determinations of the expansion of metal rods, air thermometer, apparatus for verification of Boyle's law and pressure and boiling point curve and for determination of the absolute expansion of mercury, Nichol's modification of Rowland's calorimeter for determination of Mechanical Equivalent of Heat, the work being supplied by an electric motor.

The Acoustical laboratory is provided with sonometer, siren, forks ordinary and electric, Lissajous' and Melde's apparatus, organ pipes of various forms, manometric flame apparatus and a special equipment for work in architectural acoustics consisting of torsion chronograph, electropneumatic wind chest and standardized organ pipes and other accessories.

CHEMICAL LABORATORIES.

The Chemical laboratories are situated in the western half of the new Chemistry and Mining building, on the first and second floors. The rooms are large and well lighted, and are supplied with the usual modern equipment.

The first and second year laboratory for qualitative work has accommodation for 112 students, each working space being supplied with water, gas and fume cupboard. The third and fourth year laboratory for quantitative analysis will accommodate 36 students, and is supplied with commodious fume cupboards and all necessary apparatus. A laboratory with working places for 24 is provided for the students engaged in the study of technical chemistry; it is equipped with appliances for the preparation and testing of chemical products. Each of these laboratories has its own balance room adjoining, furnished with instruments from the best makers and adapted to the particular objects in view.

In addition there are rooms set apart for gas analysis, electrolytic analysis, calorimetry, and a specially constructed fireproof laboratory for combustion, crucible and bomb furnaces. Each of these laboratories is supplied with apparatus of the most approved design, providing excellent facilities for the prosecution of work in analytical and technical chemistry.

MUSEUM.

The Geological and Mineralogical Museum of the University is open to students of the Faculty of Applied Science, and is also accessible to the general public from 2 to 5 p.m. throughout the academic year.

The Museum is situated in the south-east corner of the ground floor of the Chemistry and Mining Building, and may be entered from the door at that corner of the building.

The southern half of the room is occupied by the cases of the palæontological collection in which are arranged a large series of fossils. These specimens are placed so as to display together the great groups of animals, while the minor divisions are based on stratigraphical grounds. Particularly worthy of note are the fine series of Crinoids and Cystids and the type specimens of Eastern Canada Cambrian fossils. A large part of this collection is due to the generosity of Dr. B. E. Walker and Mr. Wm. Mackenzie. On the walls of the museum are being placed some excellent specimens of large extinct vertebrates.

To the north of the fossil collection is the Ferrier Cabinet of Minerals containing good examples of nearly all the minerals known to science, as well as a special case with specimens of the various minerals from the Cobalt Mining District.

The northern part of the room is occupied by twenty cases exhibiting all the important rocks both igneous and sedimentary which go to make up the crust of the earth.

Around the walls are placed cases containing the chief economic mineral products arranged in accordance with their practical application to human activities. This collection is particularly rich in specimens from Ontario localities and includes most of the material formerly exhibited in the Engineering Building.

LIBRARY.

The library is supplied with a number of the more important scientific and technical periodicals. A valuable collection of works of reference in the subjects of study pursued in the School has been formed and is being added to year by year.

List of Donors to the Library.

American Society of Civil Engineers—Proceedings.
Association of Engineering Societies—Journal.
Blackwood, A. E.—Stone.
Bureau of Mines—Report.
Canadian Mining Institute—Journal.
Columbian University—Quarterly.

Department of Mines, Nova Scotia—Report.
Geological Survey of Canada—Report.
Gzowski, Estate of the late Sir Casimir—
Transactions of American Society of Civil Engineers, 1874-1898.
Transactions of Canadian Society of Civil Engineers, vol. I., 1887—vol. XII., 1898.
Proceedings of the Institution of Civil Engineers, vol. LXIII., 1880—vol. CXXXII., 1898.
Institution of Engineers and Shipbuilders in Scotland—Transactions.
Institution of Junior Engineers—Transactions.
Institution of Mechanical Engineers—Proceedings.
Royal Institute of British Architects—Journal and Proceedings.
Society of Chemical Industry—Journal.
Societe des Ingenieurs Civils de France—Memoires.
United States Coast and Geodetic Survey—Report.
United States Government Tests of Metals, etc.—Report.
University of Toronto—Studies.

CURRICULA AND REGULATIONS

FOR DEGREES AND DIPLOMAS.

DENTISTRY,
PHARMACY,
AGRICULTURE,
MUSIC,
PEDAGOGY,
COMMERCE,
GYMNASTICS AND DRILL.
HOUSEHOLD SCIENCE.
VETERINARY SCIENCE.

The University issues separate announcements for the Faculty of Medicine, the Faculty of Applied Science and Engineering, and the Department of Music.

CURRICULUM IN DENTISTRY.

Degree of Doctor of Dental Surgery.

Matriculation.

Candidates for the degree of Doctor of Dental Surgery must pass the Matriculation examination hereinafter mentioned, unless

1. They possess a degree in Arts (not being an Honorary Degree), from some recognized University; or

2. Have already matriculated in the Faculty of Arts in this or some other University in Canada; or

3. Are Matriculants in the College of Physicians and Surgeons of Ontario; or

4. Have passed the Junior Teachers' or Senior Teachers' Non-professional examinations in which the Latin option has been taken, it being understood that the equivalent examinations under titles no longer in force will be accepted.

Candidates not possessing any of the above named qualifications, will be required to pass the examination prescribed for matriculants in the Faculty of Arts in this University, provided always that candidates registered as matriculants of the Royal College of Dental Surgeons of Ontario, shall be admitted matriculants in the Department of Dentistry.

Candidates for the degree must matriculate before writing on any of the subjects prescribed for final examination.

Undergraduates.

Undergraduates (candidates for the degree), residents of the Province of Ontario, must have complied with all the requirements prescribed from time to time by the Board of Directors of the Royal College of Dental Surgeons of Ontario, for admission to examination for a certificate of license to practice Dentistry in Ontario.

Undergraduates (candidates for the degree), not resident in Ontario, must:

1. Have devoted at least three and one-half calendar years (not being engaged in any other business) to the study of Dentistry.

2. Must have attended at least three full courses of lectures, embracing all the subjects of the curriculum, of not less than seven months each, and including the daily clinic at a dental school recognized by this University; the last of which courses must be at the School of Dentistry of the Royal College of Dental Surgeons of Ontario.

3. Must have spent that portion of time, when not in attendance at lectures and clinics at the School of Dentistry, as students in the office of an approved dentist.

Examinations.

Candidates for the degree must pass two examinations, an intermediate and a final, an interval of not less than one year intervening between them. Until further provision be made, a certificate of having passed the intermediate examination of the Royal College of Dental Surgeons of Ontario will be accepted by this University.

Candidates for the final examination, which will be held at a time fixed by the Committee on Examinations, must present to the Registrar satisfactory certificates, covering all the requirements relating to undergraduates as given above, and of having passed the intermediate examination. The subjects for intermediate examinations shall be:

(*a*) Comparative Dental Anatomy.
(*b*) General Histology.
(*c*) Bacteriology.
(*d*) Theory of Operative Dentistry.
(*e*) Theory of Dental Prosthetics.
(*f*) Dental Technique.
(*g*) Dental Materia Medica and Therapeutics.
(*h*) Principles and Practice of Medicine and Surgery as applied in Dentistry.
(*i*) Anatomy.
(*k*) Physiology.
(*l*) Chemistry.

The subjects for final examination shall be:—

(*a*) Theory and Practice of Operative Dentistry.
(*b*) Theory and Practice of Dental Prosthetics.
(*c*) Dental Pathology.
(*d*) Dental Histology.
(*e*) Principles and Practice of Medicine and Surgery as applied in Dentistry.
(*f*) Dental Materia Medica and Therapeutics.
(*g*) General Anatomy and special Anatomy of Head and Neck.
(*h*) Physiology.
(*i*) Chemistry.
(*k*) Jurisprudence.
(*l*) Orthodontia.

(These examinations will be written.)

(*m*) Practical Operative Dentistry.
(*n*) Practical Prosthetic Dentistry.

Candidates shall be examined in practical work from time to time, during the session of the Royal College of Dental Surgeons, on completion of the required work in the Infirmary and Laboratories of the College.

Annual examinations in April, and supplemental examinations in September, will be conducted under the joint auspices of the University and the Royal College of Dental Surgeons of Ontario.

Regular students of the Royal College of Dental Surgeons proceeding to the degree of D.D.S. may take the final examination in any subject at the close of the session in which it is completed in the College. The marks obtained in these subjects will be carried forward and tabulated with the results of the examinations of the final year.

No candidate shall be considered as having passed the examination who has not obtained 60 per cent. of the marks allotted; nor shall a candidate be considered as having passed in any subject who has not obtained at least 40 per cent. of the marks allotted to such subject.

Equivalent Examinations.

Examinations in the Faculty of Arts in the Departments of Biology or Biological and Physical Science, are accepted in lieu of examinations for the degree of Doctor of Dental Surgery, as follows:—

(*a*) Physiology and Chemistry of the Second Year for the Physiology and Chemistry of the intermediate examination.

(*b*) Histology of the Fourth Year for the General Histology and Bacteriology of the intermediate examination.

(*c*) Chemistry of the Third Year and Physiology of the Fourth Year for Chemistry and Physiology of the final examination.

(*d*) On application to the Senate, similar credits may be given for similar examinations passed in the Faculty of Arts or the Faculty of Medicine of other universities.

Fees.

The fee for examination for matriculation, in whole or in part, or for registration of any certificate accepted in lieu of examination, shall be five dollars.

The fee for final examination shall be ten dollars, which shall be paid before writing on any subject of the final examination.

The fee for supplemental examination in one or more of the final subjects shall be ten dollars.

The fee for the degree of D.D.S. shall be fifteen dollars, which shall be paid before writing on the examination of the final year.

No fee shall be charged for transference from any Faculty of the University to the Department of Dentistry.

The fee for admission *ad eundem gradum* shall be twenty dollars.

Concurrent Course in Medicine and Dentistry.

Students who are matriculants in the Faculty of Medicine and in the Department of Dentistry, may take a concurrent course in Medicine and Dentistry which will extend over six years.

Students taking this course will pass the regular University examinations in the subjects of the Medical curriculum from year to year as they are completed in the Medical Faculty and in the final Dental subjects of the curriculum in Dentistry, from year to year as they are completed in the Royal College of Dental Surgeons.

Students taking this concurrent course, who have fulfilled all the requirements for the degree of M.B., and who have successfully passed the examination in the Dental subjects of the curriculum in Dentistry, including Dental Materia Medica and Therapeutics, shall receive the degree of D.D.S.

CURRICULUM IN PHARMACY.

Degree of Bachelor of Pharmacy.

Matriculation.

Candidates for the degree of Bachelor of Pharmacy must either:—

1. Possess a degree in Arts (not an Honorary degree) from some recognised University; or

2. Have already matriculated in the Faculty of Arts, or the Faculty of Law, or the Faculty of Medicine in this or some other University in Canada; or

3. Be matriculants in the College of Physicians and Surgeons of Ontario; or

4. Have passed the Primary or the Junior or Senior Teachers' examinations of the Education Department of Ontario in which Latin has been taken.

Provided always that all candidates registered as apprentices of the Ontario College of Pharmacy, or who have received the diploma of the College of Pharmacy up to the first day of July, A.D. 1898, shall be admitted as matriculants in the Department of Pharmacy on payment of the registration fee of five dollars.

Regulations.

Undergraduates (candidates for the degree), resident in the Province of Ontario must have complied with all the requirements prescribed from time to time by the Council of the Ontario College of Pharmacy for admission to examination for a diploma licensing to practice Pharmacy in Ontario, and must have received from the Registrar of the Ontario College of Pharmacy a certificate of having passed the Final examination of that College.

Candidates for the degree, not resident in Ontario, must have devoted at least four years (not being engaged in any other business) to the study of Pharmacy, being apprenticed during that time to a regularly qualified Pharmaceutical Chemist; must have attended the full courses of lectures, embracing all the subjects of the curriculum, the length of each course being not less than that required from time to time by the Council of the Ontario College of Pharmacy, and including practical work at some College of Pharmacy recognized by this University; the last of which courses must be at the Ontario College of Pharmacy.

All candidates who have, prior to August 15th, 1892, received the diploma of the Ontario College of Pharmacy will not be required to conform to the above, but will be allowed their degree on passing the examination on the subjects hereinafter given.

Examinations.

Candidates for the degree must pass an examination to be held in the month of May of each year—hour and date of commencing to be hereafter given—must present to the Registrar satisfactory certificates covering all the requirements relating to undergraduates as given above, and of having passed the final examination of the Ontario College of Pharmacy.

The subjects of the examination shall be as follows:—

1. Botany and Microscopy.
2. Theory and Practice of Chemistry and Toxicology.
3. Materia Medica, including Posology and Pharmacognosy.
4. Theory and Practice of Pharmacy, including Interpretation of Prescriptions and Dispensing.

These examinations shall be partly written, partly oral and partly practical.

No candidate shall be considered as having passed the examination who has not obtained fifty per cent. of the marks allotted; nor shall a candidate be considered as having passed in any subject who has not obtained at least forty per cent. of the marks allotted to such subject.

Fees.

For matriculation or registration of matriculation	$ 5.00
For annual examination (each)	10.00
For each practical examination	0.50
For the degree of Phm.B	10.00

No fee shall be charged for transference from any Faculty of this University to the Department of Pharmacy.

CURRICULUM IN AGRICULTURE.

The course for the degree of Bachelor of the Science of Agriculture (B.S.A.) extends over a period of four years.

The work of the first two years is embraced in the course prescribed for the Associate Diploma (see College Calendar) and the work outlined below proceeds from the Associate Standing, and extends over a period of two years.

Admission to Third Year Standing.

An Associate of the College is admitted to Third Year Standing and allowed to proceed with the work of the Third and Fourth Years.—

(1) Provided he has taken rank in his Associate Course satisfactory to the College Staff, 60 per cent. of the marks in English and 50 per cent. in general proficiency.

NOTE.—In addition to the above, candidates intending to take the Agricultural Option must present satisfactory evidence of having spent at least two years at practical work with a good farmer; those entering for the Dairy Option must have spent one season at practical work in a cheese factory and one in a creamery, or have spent one season in a cheese factory or creamery and have taken the full course (cheese and butter) in a Dairy School; and those entering for the Horticulture Option must have spent at least one year at practical work with a good farmer, fruit-grower, market-gardener, or florist.

A graduate or undergraduate in Arts or Science of any reputable University, having had the necessary training in farm work, may proceed to the degree, upon presenting satisfactory certificates of standing and passing examinations on those Associate subjects not covered by his certificates.

The work done previously by such a candidate will be accepted *pro tanto* for any part of the work prescribed for the degree.

Third Year.

Attendance and Term Work for 3rd and 4th Years.

NOTE.—Any candidate before being passed on any examination must have attended at least seventy-five per cent. of the lectures in each subject and must have obtained at least fifty per cent. of the marks for term work in each department and sixty per cent. in all departments together, "Attendance" and "Term Work" ranking as separate subjects.

1. ENGLISH.—
   (1) COMPOSITION:—Writing during the year at least four essays on subjects assigned.
   (2) RHETORIC:—Text, Outlines of Rhetoric (Genung).
   (3) HISTORY OF LITERATURE:—The Elizabethan Period of English Literature as outlined in Pancoast's Introduction to English Literature.
   (4) SELECTIONS:—George Eliot, Silas Marner; Scott, Old Mortality; Tennyson, In Memoriam (selected cantos); Shakespeare, As You Like It, Othello. 78 Lectures.
2. FRENCH OR GERMAN.—Grammar, reader and selections from easy French or German prose. 78 Lectures.
3. PHYSICS.—(*a*) Heat, Text: Glazebrook's Heat; (*b*) meteorology, Davis; (*c*) ventilation and cold storage. 78 Lectures.
4. CHEMISTRY.—
   (1) HISTORICAL CHEMISTRY: A course of eight lectures.
   (2) INORGANIC CHEMISTRY: Text-book (Newth) and Elementary Physical Chemistry (R. A. Lehfeldt).
   (3) ORGANIC CHEMISTRY: Text-book (Remsen).
   (4) QUALITATIVE ANALYSIS: A comprehensive laboratory course during the fall term.
   (5) QUANTITATIVE CHEMISTRY: Laboratory practice during the winter term; text-book (Clowes and Coleman). 130 Lectures.

READING.—As assigned.

5. GEOLOGY: A short practical course, dealing specially with the geology of Canada, soil formation and economic deposits: Geikie, Structural and Field Geology. 52 Lectures.
6. BOTANY: (1) Physiology; (2) Histology of Flowering Plants; (3) Synthetic Botany: a study of the most important natural orders of flowering plants with special reference to those of agricultural importance; (4) Cryptogamic: a study of the chief types; (5) Collections: 50 plants representing a succession of types from the lowest forms to the highest; to be handed in first week in April. (Texts) Coulter or Atkinson; Ganong. 78 Lectures.
7. ENTOMOLOGY: (1) Economic Entomology,—detailed study of injurious and beneficial insects and the best methods of preventing the ravages of the former.—Comstock or Smith. (2) Systematic Entomology: A laboratory and lecture course in the identification and classification of insects. Students are required to make their own collections.—Comstock's Manual, for the study of insects, and American Insects, by Kellogg. 78 Lectures.
8. NATURE STUDY: The work is largely taken up in the Field and consists of a thorough study of soils, plants, insects, etc. Lectures are occasionally given by instructors; and practical demonstrations in the breeding of insects, the functions of plants, or plant

organs and other physiological subjects are frequently undertaken by the students under direction of the instructor. From April 15th to May 23rd.

NOTE.—Students intending to take the Fourth Year shall select their option not later than the 1st of April in the Third Year, after consultation with the head of the department concerned; and shall then notify the President of their selection and its approval by the head above referred to.

Fourth Year.

One of the following options:—

Agriculture Option.

See note under "Admission to Third Year Standing," page — of this Calendar; also Attendance and Term work for Third and Fourth Years.

MAJORS:

1. ANIMAL HUSBANDRY.—
   (1) Cattle, sheep, swine, and horses; characteristics of the prinpal breeds; lectures and practical work in judging.
   (2) Principles and practice of stock breeding; text-book.—Stock Breeding (Miles).
   (3) Feeding and management of live stock; text-book,—Feeds and Feeding (Henry).
2. FIELD HUSBANDRY: Advanced course in field crops; systematic breeding of cereals, legumes, etc.; experiment stations and their work; results of field experiments.

READING.—As assigned. 13 hours per week for 26 weeks.

3. CHEMISTRY: 7½ hours per week for 26 weeks.
   (1) AGRICULTURAL CHEMISTRY: As outlined in Chemistry and Physics Option.
   (2) ANIMAL CHEMISTRY: As outlined in Chemistry and Physics Option.
   (3) LABORATORY WORK: A comprehensive course of analysis of soils, manures, fodders, condimental and stock foods.
   (4) CHEMISTRY OF INSECTICIDES *and* FUNGICIDES.

READING.—As assigned.

4. PHYSICS: 65 Lectures.
   (1) CLIMATOLOGY as under section 4, Physics, in the Chemistry and Physics Option.
   (2) SOIL PHYSICS as under section 5, Physics, in the Chemistry and Physics Option.
   (3) TILLAGE AND DRAINAGE as under section 6, in the Chemistry and Physics Option.

READING.—As assigned.

MINORS:

1. ENGLISH.—
   (1) COMPOSITION: Writing at least three essays during the year on subjects assigned. There will be no examination on this part of the work, but the marks gained will be given the value of one final paper.
   (2) HISTORY OF ENGLISH LITERATURE: 1660 to the present, as outlined in Pancoast's Introduction to English Literature.
   (3) SELECTIONS: Macaulay, Essay on Goldsmith; Carlyle, Essay on Burns; third volume of Palgrave's Golden Treasury of Songs and Lyrics; Tennyson, Shorter Poems (Macmillan's Pocket Series). 52 Lectures.
2. FRENCH OR GERMAN: Prescribed texts and easy sight translation. 78 Lectures.
3. POULTRY: Buildings, feeding, and management; principal breeds. Poultry Craft (Robinson). 13 Lectures.
4. BOTANY: (*a*) Systematic botany,—grasses, weeds, and forage crops; (*b*) fungi and fungous diseases. 39 Lectures.

Collections: 50 specimens (25 of which are to be grasses) representing typical grasses, weeds, forage plants, fungi; specimens to supplement the collections of the Second and Third Years and not to repeat them; to be handed in first week in April.

5. BACTERIOLOGY: A course of forty lectures and demonstrations extending throughout the year, on infectious diseases of animals, modes of infection, prevention and eradication; bacterial diseases of plants; the role of micro-organisms in the soil; the relation of bacteria to the handling of milk; and other phases of bacteriologic science as met with upon the farm.

Fourth Year.

Dairy Option.

See note under "Admission to Third Year Standing," page — of this Calendar; also Attendance and Term work for Third and Fourth Years.

MAJORS:

1. DAIRY HUSBANDRY.—
   (1) Farm Dairy work and milk-testing, theory, practice, and lectures, with "The Book of the Dairy" (Fleischmann).
   (2) Lectures, with "Principles and Practice of Butter-making" (McKay and Larsen), "Testing Milk and its Products" in winter term. (Farrington and Woll).
   (3) Practical work in cheese and butter-making, pasteurization of milk, and milk-testing,—covering all the latest practices in dairy operations,—time amounting to two days a week, one being Saturday, throughout the year. 13½ hours per week for 26 weeks.

READING.—As assigned.

2. BACTERIOLOGY: Three afternoons a week during the Second Term of laboratory work on dairy bacteriology, and such general bacteriology as is necessary for a thorough understanding of the work of dairying.

A course of thirty lectures supplemental to the laboratory course as above.

READING.—As assigned. 9 hours per week for 26 weeks.

3. CHEMISTRY.—

(1) DAIRY CHEMISTRY: (*a*) A chemical study of milk, butter, cheese, and the by-products of the dairy; (*b*) Laboratory work; analysis of the products of the dairy, preservatives, adulterants, water, and coloring material.

(2) ANIMAL CHEMISTRY: As outlined in the Chemistry and Physics Option. 6 hours per week for 26 weeks.

READING.—As assigned.

MINORS:

1. ENGLISH: Same as in the Agriculture Option.
2. FRENCH OR GERMAN: Same as in the Agriculture Option.
3. AGRICULTURAL CHEMISTRY: As outlined in Chemistry and Physics Option.
4. FIELD HUSBANDRY: Grasses and forage crops,—Lectures and laboratory work.
5. LIVE STOCK: Dairy cattle and swine; feeding and management with practical work in judging. Agriculture, 13 Lectures.

Fourth Year.

Biology Option.

See note under "Admission to Third Year Standing," page — of this Calendar; also Attendance and Term work for Third and Fourth Years.

MAJORS:

1. BOTANY.—

(1) SYSTEMATIC: Lectures and laboratory work on the chief orders of flowering plants, including grasses and the identification of grass, clover, and other seeds. *A mounted collection of 50 plants, and 50 specimens of weed seeds, to be handed in April 1st.*—Gray's Field, Forest and Garden, Britton, Strasburger.

(2) STRUCTURAL AND HISTOLOGICAL: Lectures and laboratory work on the organs of the plant; mounting, examining, and drawing vegetable cells and tissues.—Strasburger, Chamberlain's Methods in Plant Histology.

(3) PHYSIOLOGICAL: An advanced seminary and laboratory course in which each student investigates for himself the main life processes of plants.—McDougall, Ganong, Peirce.

(4) CRYPTOGAMIC: A laboratory study of the chief types covering the thallophytes, bryophytes and pteridophytes.—Atkinson or Coulter.

(5) FUNGI AND PLANT PATHOLOGY: (*a*) laboratory course with occasional lectures, in which are studied the injurious fungi affecting orchard, garden, greenhouse, and farm crops; (*b*) *a collection of 50 injurious fungi, to be handed in April 1st.*—Tubeuf and Smith; Massee; Reports and Bulletins.

READING.—As assigned.

2. ZOOLOGY.—

(1) INVETEBRATE: A laboratory course with lectures on the chief types.—Brook's Invertebrate Zoology; Parker and Haswell.

(2) VERTEBRATE: A laboratory course with lectures on the chief types. Huxley and Martin's Biology; Parker's Zootomy; Parker and Haswell, Linville and Kelly.

(3) ECONOMIC ZOOLOGY: A laboratory and lecture course in the identification, habits and life-histories of animals, giving special attention to Ontario forms.—Linville and Kelly's text-book in General Zoology.

(4) HISTOLOGY: Methods; imbedding, cutting, mounting, and study of specimens.—Huber's Histology.

(5) PHYSIOLOGY: A lecture course in connection with the dissection of the types.

READING.—As assigned.

3. ENTOMOLOGY. 21 hours per week for 26 weeks.

(1) SYSTEMATIC: A laboratory course in the identification and classification of insects. Students to make their own collections.—Comstock's Manual for the Study of Insects.

(2) ECONOMIC: A special study of injurious and beneficial insects. The life histories of many species to be worked out in the Insectary.—Smith's; Sanderson; Reports and Bulletins.

READING.—As assigned.

MINORS:

1. ENGLISH: As in Agriculture Option.

2. FRENCH OR GERMAN: As in Agriculture Option.

3. BACTERIOLOGY: A laboratory course in the study of morphology and cultural characters of micro-organisms, and their relation to water supply, soil, dairy products, plant and animal diseases, and fermentation industries. 3½ hours per week for 26 weeks.

4. FORESTRY: Classification of the trees and woods of commercial importance; formation of nurseries, establishment of plantations; establishment and care of woodlands. 52 Lectures.
Lectures.
5. CHEMISTRY OF INSECTICIDES AND FUNGICIDES.

Fourth Year.

Horticulture Option.

See note under "Admission to Third Year Standing," page — of this Calendar; also Attendance and Term work for Third and Fourth Years.
MAJORS:

1. HORTICULTURE.—13½ hours per week for 26 weeks.
   (1) PRINCIPLES OF FRUIT-GROWING: Discussion of the theories and practice in connection with the management of orchards and fruit plantations. Text-book—Principles of Fruit-growing (Bailey).
   (2) PLANT-BREEDING AND PROPAGATION: The development of new varieties of trees and plants; the natural and artificial methods of multiplying plants. Text-books—Plant Breeding (Bailey), The Nursery Book (Bailey).
   (3) POMOLOGY: A systematic study of the leading Canadian fruits, illustrated by wax models and specimens kept in cold storage.
   (4) VEGETABLE GARDENING: Theory and practice in the production and handling of vegetable crops; the forcing of vegetable crops. Text-book—Vegetable Gardening (Green).
   (5) LANDSCAPE GARDENING: A study of the principles and methods involved in beautifying of public and private grounds. Text-book—Landscape Gardening as Applied to Home Decoration (Maynard).
   (6) FLORICULTURE: A study of the most desirable ornamental plants; their care and management in the green-house, window-garden, and flower borders.

Reading, laboratory and practical work as assigned.

2. BIOLOGY.—
   (1) PLANT PATHOLOGY: (*a*) Laboratory course with occasional lectures, in which are studied the diseases affecting orchard, garden, green-house and farm crops; (*b*) *a collection required of 50 injurious fungi, to be handed in April 1st.*—Text-book—Plant Diseases (Tubeuf and Smith).
   (2) SYSTEMATIC AND ECONOMIC ENTOMOLOGY: A laboratory course in the identification and classification of insects, with special study of the injurious and beneficial species. Text-

books—Manual for the Study of Insects (Comstock), Economic Entomology (Smith), Insects Injurious to Fruits (Saunders). 9 hours per week for 26 weeks.

MINORS:

1. FORESTRY: Classification of the trees and woods of commercial importance; formation of nurseries; establishment of plantations; establishment and care, woodlands. 13 Lectures.
2. SYSTEMATIC AND HISTOLOGICAL BOTANY: Lectures and laboratory work on the chief orders of flowering plants, with special reference to cultivated forms. *A mounted collection to be made of 50 cultivated plants, to be handed in April 1st;* mounting, examining, and drawing vegetable cells and tissues. Text-book—Field, Forest and Garden Botany (Gray). 1½ hours per week for 26 weeks.
3. PHYSIOLOGICAL BOTANY: A laboratory course with lectures, in which each student investigates for himself the chief life processes of plants. Text-book—Plant Physiology (Ganong). 1½ hours per week for 26 weeks.
4. PHYSICS.—52 Lectures.
   (1) CLIMATOLOGY as under section 4, Physics, in the Chemistry and Physics Option.
   (2) SOIL PHYSICS as under section 5, Physics, in the Chemistry and Physics Option.
   (3) TILLAGE AND DRAINAGE as under section 6, in the Chemistry and Physics Option.
5. BACTERIOLOGY: A laboratory course with supplemental lectures during the Winter Term, on bacterial diseases of plants, the nodule forming organisms of the legumes, bacteria as related to the canning industry, and bacterial decay of vegetables in storage. 26 Lectures.
6. CHEMISTRY. 39 Lectures.
   (1) AGRICULTURAL CHEMISTRY: As outlined in the Chemistry and Physics Option.
   (2) CHEMISTRY OF INSECTICIDES AND FUNGICIDES.

READING.—As assigned.

7. ENGLISH: As in Agriculture Option.
8. FRENCH OR GERMAN: As in Agriculture Option.

1. HORTICULTURE.—

BACTERIOLOGY OPTION.

BACTERIOLOGY.

See note under "Admission to Third Year Standing," page — of this Calendar; also Attendance and Term work for Third and Fourth Years.

MAJORS:

1. MICROSCOPICAL METHODS: A study of the morphology of micro-organisms by the examination of living cultures and various

staining methods; preparation of morbid specimens, imbedding of tissues and section cutting.

2. CULTIVATION METHODS: Apparatus, principles of sterilisation, preparation of culture media, and various means employed in the cultivation of different types.
3. PHYSIOLOGIC BACTERIOLOGY: Chemical composition, nutrition, circumstances affecting growth, products of growth, chromogenic zymogenic, toxic and pathogenic bacteria. Studies in symbiosis, metabiosis and antigonism. Studies in enzymes.
4. EXAMINATIONS OF AIR, WATER, SOILS, AND FOODS.

*5. HYGIENIC BACTERIOLOGY: Infectious diseases: anthrax, symptomatic anthrax, malignant oedema, tuberculosis, glanders, typhoid fever, hog cholera, swine plague, diphtheria, actinomycosis, pyemia, fowl and insect diseases; toxins and antitoxins, susceptibility and immunity, attenuation of virus, protective inoculation; serum therapy.

*6. FERMENTATION BACTERIOLOGY: Micro-organisms of fermentation; enzymes; fermentations—alcoholic, acetic, lactic, butyric, ammonical, putrefactive, nitrification, denitrification, ammonification.

*7. AGRICULTURAL BACTERIOLOGY: Relation of micro-organisms to tillage of the soil; management of the compost heap; bacteria and the farm water supply; disposal of sewage; bacteria and pure milk production; principal diseases of animals.

*8. DAIRY BACTERIOLOGY: The relation of micro-organisms to dairying; the fermentations of milk; pure culture system in butter and cheese making; pasteurisation and sterilisation; the bacteriological analysis of milk, butter and cheese; sanitary milk production; diseases conveyed by dairy products.

READING.—As assigned.

MINORS:

1. ENGLISH: As in Agriculture Option.
2. GERMAN: As in Agriculture Option.
3. BOTANY: Sections 4 and 5 in the Biology Option.
4. ZOOLOGY: Sections 2 and 3 in the Biology Option.

*Any one of these for the Bacteriology Option.

Fourth Year

Chemistry and Physics Option.

See note under "Admission to Third Year Standing," page — of this Calendar; also Attendance and Term work for Third and Fourth Years.

MAJORS:

1. CHEMISTRY.—
   (1) INORGANIC CHEMISTRY: Advanced course (Newth), Elementary Text Book of Physical Chemistry (R. A. Lehfeldt).

(2) ORGANIC CHEMISTRY: Lectures and preparation of organic compounds,—Organic Chemistry (Remsen).

(3) AGRICULTURAL CHEMISTRY: Atmosphere, soils, reactions occurring in soils, fertilizers, the plant, its characteristics and relation to soil and atmosphere.—Storer, Ingle, Hall.

(4) ANIMAL CHEMISTRY: Foods, their composition and digestibility; food constituents and their functions; physiological value of the nutrients; selection and compounding of rations. —Armsby, Jordan, Ingle.

(5) CHEMISTRY OF INSECTICIDES AND FUNGICIDES.

LABORATORY WORK.—

(1) QUALITATIVE ANALYSIS.

(2) VOLUMETRIC ANALYSIS.

(3) POLARISCOPE AND SUGAR DETERMINATIONS.

(4) ANALYSIS of water, soils, fertilizers, fodders, etc.

READING.—As assigned.

2. PHYSICS.—

(1) THERMOMETRY AND CALORIMETRY: Latent heat, specific heat, vapor and gaseous pressure, etc.

(2) THERMODYNAMICS.

(3) COLD STORAGE: Principles, methods and results.

(4) CLIMATOLOGY: A general study of conditions that influence climate; particular study of Canadian climate; climatic factors in relation to agriculture; climatic limits in Canada for the agricultural and horticultural products. Reference: Hann's Climatology.

(5) SOIL PHYSICS: Movements of air and water in the soil; soil temperatures; conditions affecting tilth; analysis and microscopic examinations of types. Text: Warington's Physical Properties of the Soil; Reference: King's Physics of Agriculture.

(6) TILLAGE AND DRAINAGE: Spring and autumn tillage; relation of various implements to air, moisture, warmth and tilth of soil; management of different types of soil; principles of drainage; preliminary surveys; systems of drainage; preparing plans of drainage; principles and methods of irrigation. Text: Engineering for Land Drainage, Elliott.

(7) AGRICULTURAL ENGINEERING: Rural water supply; farm power by steam, water, wind, electricity; ventilation.

READING.—As assigned.

MINORS:

(1) ENGLISH: As in the Agriculture Option.

(2) FRENCH OR GERMAN: As in the Agriculture Option.

(3) AGRICULTURE: Part 3 of section 1 and section 3 in Major portion of Agriculture Option.

CURRICULUM FOR LOCAL EXAMINATIONS IN MUSIC.

The University of Toronto Local Examinations in Music are held annually at specially announced dates between the 1st of June and 15th of July, and in December. The examinations in Theory will be held in the second week of June, and in December, 1908.

The Local Examinations in practical branches for Toronto will be held at the University on June 16th, 17th, 18th, 19th, and 20th, 1908.

Tha December Local Examinations in the practical branches will be held in Toronto, and at the discretion of the Senate may be held at other places. Applications for the December examinations must be forwarded to the Registrar of the University not later than November 9th.

The Local Examinations include the Primary, Junior and Senior grades in the practical branches (piano, organ, voice and violin), and the Junior, Intermediate and Senior grades in the Theory of Music.

As necessity arises examinations will be announced in other practical branches.

Various local centres, each under the charge of a local representative, have been established in different parts of the Dominion. Five candidates in one department are necessary to constitute a local centre.

Applications for local examinations must be forwarded to the Registrar of the University not later than May 9th, 1908. The fees for examination and certificate must, in all cases, accompany the candidate's application for examination. The fee for certificate will be returned to unsuccessful candidates.

The names and addresss of candidates should be written on the proper form of application which may be obtained through the local representatives, or upon application to the Registrar of the University.

A list of the successful candidates will be published in the Toronto papers as soon as possible after the examiners have completed their duties.

Candidates in practical subjects are informed that when any particular edition is named, for the purpose of identifying compositions, the use of such edition is not compulsory. The examiners will accept any edition, but candidates are particularly cautioned against presenting wrong pieces, as errors in this respect will invariably result to the disadvantage of the candidate.

The total number of marks necessary to pass in any subject is 60; second class honours, 70; for first class honours, 80; maximum, 100.

Candidates in the practical subjects may, if desired, pass at once to any higher examination in the series without first passing the lower grades.

There is no appeal whatever from the decision of the Examiner or Examiners.

Local Centres.	ONTARIO.	Representatives.
Alexandria		Donald MacKay, B.A.
Almonte		J. W. Treleaven, B.A.
Amherstburg		Rev. Thomas Nattress, B.A.
Arnprior		A. E. Morrow, B.A.
Aylmer		W. W. Rutherford, B.A.
Barrie		Judge Boys, LL.B.
Belleville		Col. W. N. Ponton, M.A.
Berlin		Rev. W. A. Bradley, B.A.
Bobcaygeon		
Bowmanville		W. W. Tamblyn, B.A.
Brampton		W. J. Fenton, B.A.
Brantford		Sheriff Watt, B.A., LL.B.
Brockville		A. Mowat, B.A.
Burk's Falls		A. W. Partridge, M.B.
Caledonia		
Cayuga		J. E. Skeele, B.A.
Chatham		Rev. F. E. Malott, B.A.
Clinton		
Cobourg		J. W. Odell, B.A.
Collingwood		W. Williams, B.A.
Cornwall		
Deseronto		W. K. T. Smellie, B.A.
Dundas		John Reid, M.A., LL.B.
Fergus		R. Unsworth, B.A.
Fort William		T. S. T. Smellie, M.A., M.D.
Galt		T. Carscadden, M.A.
Gananoque		H. W. Irwin, B.A.
Georgetown		R. Coutts, B.A.
Goderich		H. I. Strang, B.A.
Gravenhurst		J. H. Elliott, M.B.
Grimsby		W. Montgomery, B.A.
Guelph		W. Tytler, B.A.
Hamilton		W. H. Ballard, M.A.
Hespeler		A. Ochs, M.B.
Ingersoll		J. L. Paterson, B.A., LL.B.
Kemptville		W. Dillane, B.A.
Kincardine		S. W. Perry, B.A.
Kingston		W. S. Ellis, B.Sc., LL.B.
Lakefield		W. A. Baker, M.D.
Lindsay		J. C. Harston, B.A.

Local Centres.	ONTARIO.	Representatives.
Listowel		W. A. Phillips, B.A.
London		F. W. Merchant, M.A., D.Paed.
Madoc		F. E. Seymour, M.A.
Meaford		L. J. Cornwell, B.A.
Midland		F. C. Macdonald, B.A., M.B.
Morrisburg		Adam Johnston, B.A., LL.B.
Mount Forest		
Napanee		U. J. Flach, M.A.
Niagara Falls		
North Bay		Rev. G. L. Johnston, B.A.
Orangeville		Rev. A. L. Burch, B.A.
Orangeville		A. Steele, B.A.
Orillia		J. E. Dickson, B.A.
Ottawa		J. Macmillan, B.A.
Owen Sound		T. Murray, B.A.
Palmerston		M. Foster, M.D.
Paris		W. N. Bell, B.A.
Parry Sound		J. R. Stone, B.A., M.B.
Pembroke		P. White, B.A., LL.B.
Perth		W. Hardy, B.A.
Peterborough		E. B. Edwards, M.A., LL.B.
Petrolea		J. J. Bell, B.A.
Picton		M. Currie, B.A., M.B.
Port Arthur		F. H. Keefer, M.A., LL.B.
Port Elgin		F. H. Wells, M.B.
Port Hope		L. Caesar, B.A.
Prescott		R. C. Rose, B.A.
Rat Portage		P. E. McKenzie, B.A., LL.B.
Ridgetown		J. G. Little, B.A.
Sarnia		C. L. Crassweller, B.A.
Sault Ste. Marie		L. A. Green, B.A.
Seaforth		
Smith's Falls		S. J. Stubbs, B.A.
Stratford		C. A. Mayberry, B.A., LL.B.
Strathroy		Rev. W. J. Knox, M.A.
Sudbury		J. H. Clary, B.A.
St. Catharines		J. Henderson, M.A.
St. Thomas		W. H. Murch, Esq.
Thorold		Rev. J. R. Patterson.
Tillsonburg		V. A. Sinclair, B.A., LL.B.
Uxbridge		H. G. Park, B.A., D.Paed.
Vankleek Hill		Rev. L. Conley.
Walkerton		A. E. McNab, B.A.

Local Centres.	ONTARIO.	Representatives.
Waterloo		Rev. J. R. Gilchrist, B.A.
Welland		J. McNiece, B.A.
Whitby		W. O. Eastwood, B.A., M.D.
Windsor		Rev. J. C. Tolmie, B.A.
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BRITISH COLUMBIA.

New Westminster	A. E. White, Esq.
Victoria	Mrs. Alfred Watt, B.A.
Vancouver	Miss B. M. Hunt, M.A.

MANITOBA.

Brandon	Miss G. E. Fraser
Winnipeg	Geo. Bowles, Esq.

NORTH-WEST TERRITORIES.

Calgary	Rev. J. A. Clark, B.A.
Edmonton	Mrs. E. T. Bishop, B.A.
Regina	D. P. McColl, B.A.

THEORY OF MUSIC.

The Theory Examinations are conducted in three grades:—Junior, Intermediate and Senior. The Board of Studies have decided not to name any textbooks on Harmony and Counterpoint. Intelligible answers will be accepted by the Examiners, regardless of any particular system or theory.

Three hours will be allowed for each paper.

For particulars as to fees, see page 478.

The Junior division paper will embrace questions on notes and rests; key-signatures and time-signatures; intervals and their inversions; treble and bass clefs; major, minor and chromatic scales; meanings of terms and signs in ordinary use; transposition from one key to another, and from treble to bass, or vice versa. No part-writing will be required, but questions will be asked on the construction of the common chord, and the chord of the dominant seventh; and on the inversion of these chords.

The Intermediate division paper will include questions, embracing the subject matter of the requirements for the Junior division; on transposition into various keys and clefs (including the C clef); intervals and their inversions; triads and their inversions; the dominant and diminished sevenths, and their inversions and resolutions; preparation and resolution of suspensions (including retardations); transcription from short score to open vocal score; the harmonization of a figured bass; cadences; sequences; simple modulation; well known facts on musical history within the period 1750-1850.

The Senior division paper will embrace questions on triads (consonant and dissonant); discords of the seventh and ninth (chromatic and diatonic); suspensions; passing discord; the augmented sixth; inversions of all the before-mentioned chords; adding three parts above a figured bass; harmonizing a given melody, or an unfigured bass, in three or four parts; adding one part in the first species of counterpoint to a given canto fermo; adding one part in the second, third, fourth or fifth species of counterpoint to a given canto fermo; elementary form (questions will be set on the general outline of movements in the ancient and modern binary forms, and on the musical period, section and phrase); modulation; musical history from 1680 to 1850.

The certificate for the Senior division in Theory will not be issued unless the candidate has passed the examination of the Junior division.

The examination in Theory of the first year Bachelor of Music of the University of Toronto will be accepted for any of the Theory of the Local Examinations.

PIANOFORTE.

Primary Grade.

Candidates will be required to prepare six numbers in all, chosen from the following list of compositions, one of which must be by Bach, and one by Beethoven—the candidate to be allowed freedom of choice in the remaining four pieces:—

ALETTER, W.
Melodia in F.
BACH, J. S.
Twelve Little Preludes (Peters' edition, vol. 200), Nos. 3, 5, 7, and 8; 11 and 12.
Six Little Preludes (Peters' edition, vol. 200), Nos. 1 and 2; 3 and 4; 5 and 6.
Fugue, No. 3, in C minor and Fugue, No. 4, in C major (Peters' edition, vol. 200); Fugue, No. 5, in C major (Peters' edition, vol. 200).
BEETHOVEN.
Seven Bagatelles, op. 33 (Schirmer's Library, vol. 5); No. 1 in E flat major; No. 2 in C major; Nos. 3 and 4 in F major and A major respectively; Sonata, op. 49, No. 2; Little Variations, F major, on a Swiss Air.
BEHR, F.
Lachtäubchen.
Pomponette.
BENDEL, F.
Nocturne in A flat, op. 92.
BIRD, A.
Sketch, op. 15, No. 1.
Sketch, op. 15, No. 3.
BOHM, C.
The Fountain.
BORODIN, A.
Nocturne, G flat.
BOROWSKI, F.
Valse Champêtre.
Rêverie, from Album Lyrique, No. 5.
Berceuse, from Album Lyrique, No. 3.
BOSCOVITZ, F.
Danse aux Sabots.
Stellina, Polish Dance.
CHAMINADE, C.
Serenade in D.
CHOPIN.
Preludes, op. 28, Nos. 4 and 6.
Mazurka, in B flat, op. 7, No. 1.
Mazurka, op. 33, No. 3.
CUI.
Canzonetta.
DELBRUCK, G.
Berceuse, A major.
DUCELLE, PAUL.
Gondolinette in A.
DURAND, A.
Chaconne in A minor, op. 62.
Valse in E flat.
ERFOLG.
Impromptu.
FOERSTER, ALB.
Valse Lente.
GILLET, E.
Passepied.
GODARD, CHARLES.
Pensée, op. 38.
GREGH, L.
Pastorale, op. 13.
HABERBIER.
Barcarolle, op. 53, No. 2.
Serenade, op. 53, No. 5.
HANDEL, G. F.
Gigue in F minor.
HAYDN, J.
Gipsy Rondo.
HELLER, STEPHEN.
Napoli 2me. Petite Tarantelle.
Quatre Arabesques, No. 1 in C and No. 2 in A major.
HENSELT.
Romance de Thal.
HITZ, FR.
The Lively Mill.
HOLLAENDER, V.
Canzonetta.
HUNTEN, F.
Rondoletto, C major, op. 15.

JADASSOHN, S.
Spring Song, op. 93.
Serenade in E.
JANKE.
Sonatina, op. 15, No. 3.
JENSEN, A.
Happy Wanderer, in A flat.
JONAS, ERNST.
Love Song, op. 58.
JUNGMANN, A.
Will o' the Wisp, op. 217, No. 3.
KIRCHNER.
Albumblatt.
KJERULF, H.
Berceuse, D flat, op. 12, No. 5.
KRAUSE.
Sonatina, op. 1, No. 1.
KWAST, JAS.
Andante, op. 2, No. 1.
LACK, T.
Arietta in F, op. 97.
Canzonetta, op. 30, No. 3.
LAGO.
Reverie, in F sharp minor.
LANGE, G.
A la Cosaque, op. 365.
LEGE, W.
Schmetterlinge, op. 59, No. 2.
LICHNER, H.
Heimkehr, op. 175, No. 6.
LISZT.
Consolation, No. 1.
MEYER, A.
Waltz, from Three Sketches, No. 1.
Mazurka, Caprice, No. 2.
At Evening, No. 3.
MACDOWELL, E.
Idyllen, op. 28, Six Short Pieces (any one).
Four Little Poems, op. 32 (any two).
Romanza, op. 39.
Clair de Lune, op. 37, No. 1.
Arabeske.
MASSENET, J.
Mélodie, op. 10.
MEYER-HELMUND.
Chanson Triste, in F minor.
J'y Pense.
Gondoliera, op. 71, No. 1.
MENDELSSOHN.
Songs Without Words, Nos. 4, 6, 9, 14, 16, 28 (any one).
MERKEL, G.
Spring Song, op. 18, No. 1.
Cradle Song, op. 18, No. 4.
MOSZKOWSKI, M.
Mélodie, op. 18.
Mazurka, op. 10, No. 3.
Valse in D flat, op. 18, No. 5.
Miniatures, op. 28, No. 1.
MOZART.
Sonata No. 1 in C major, any two movements (Schirmer, vol. 65).
NEIDLINGER, W. H.
Valse Petite.
NICODE, F. L.
Lied der Sehnsucht, op. 28, No. 2.
Reue, op. 22.
NOLCK, A.
Berceuse, op. 92.
PACHER.
Swiss Folk Song, op. 69, No. 3.
PADEREWSKI.
Mélodie, op. 8, No. 3.
PAUL, EMIL.
Frühlingsreigen.
PIERNE, G.
Cradle Song in A.
Valse in A.
RAFF, J.
Romance, op. 2, No. 2.
REINECKE, C.
Sonatina, op. 47, No. 2.
Sonatina, op. 47, No. 1.
RUBINSTEIN.
Polka Boheme.
Romanza in E flat.
SARTORIO, A.
At Evening, op. 270.
Myosotis, op. 245.
SARTORIS, A.
Among the Flowers, op. 279.
SCARLATTI, D.
Tempo di Ballo in D.
SCHARWENKA, PH.
Four Bagatelles, No. 1, in G minor.
SCHOLTZ, H.
Album Leaf, D flat.
SCHUBERT.
Impromptu in A flat, op. 142, No. 2.
Momens Musicals, op. 94, No. 3, in F minor.
Momens Musicals, op. 94, No. 5, in F minor.

SCHUETT, E.
Sous les Feuilles.
Canzonetta in D major.
SCHUMANN.
Scenes from Childhood, op. 15, Nos. 4 and 5.
Album for the Young, op. 68, Nos. 15 and 19.
Nos. 23, 28 and 29.
Nos. 31, 37 and 43.
SCHYTTE.
Au Soir.
SPINDLER, F.
Thorn Rose, op. 349, No. 3.
THOME.
Berceuse in E flat.
TSCHAIKOWSKI.
Sweet Dreams, op. 39.
Valse, op. 39.
Chanson Triste.
VOGT, JEAN.
Valse de Salon, op. 109, No. 2.
WACHS, P.
Gondolinette in A flat.
WILM, N. VON.
Mélodie Lyrique, op. 193, No. 1.
Valse de la Poupée, op. 193, No. 3.
WOYCKE, EUGEN.
The Minstrel's Lament, op. 30, No. 1.
YOUFEROFF.
Elégie, op. 1, No. 3.

Technical Tests, Etc., in Primary Piano Examination.

Candidates must be prepared to play, with accurate fingering and from memory, the following technical exercises:—

SCALES.—All major and minor (harmonic and melodic) and chromatic scales, legato and staccato, hands separately, four octaves, in quarter notes, metronome,

♩= 120.

CHORDS.—Major and minor triads and chords in four note form, and dominant seventh chords, with inversions, hands separately—solid and broken. Solid chords to be played with the up and down arm strokes. Broken triads and four note chords to be played at a moderate tempo. Broken chords, in the four note form, may be substituted for solid chords in the case of small hands.

OCTAVES.—Staccato octaves, in quarter notes, on any required scale, hands separately.

♩=100.

ARPEGGIOS.—Arpeggios of all major and minor common chords, compass four octaves, fundamental position, hands separately, quarter notes,

♩= 120.

SIGHT PLAYING.—Candidates will be required to play at sight an easy piece.

EAR TEST.—Candidates will be required to sing without accompaniment a major scale, or, if unable to sing, will be expected to recognize errors, if any, in the scale as played by the examiner (the candidate not to see the keyboard). Candidates will also be tested in the intervals of major thirds, perfect fifths and octaves.

Primary Piano Certificate.

Successful candidates in the Primary Piano Examination will receive the Primary Piano Certificate of the University.

For particulars as to fees, see page 478.

Marks are awarded under the following heads in the Primary Piano Examination.

Scales, chords, octaves.

Accurate observance of notation, rests, etc., and correctness of fingering.

Phrasing, accent, and interpretation.

Discretion in use of pedal.

Choice of time and steadiness of tempo.

Quality of touch.

Memory playing.

Sight playing.

Ear test.

Junior Grade.

Candidates will prepare eight numbers selected from the following list of compositions, one of which must be by Bach, one by either Haydn, Mozart or Beethoven, and one by Chopin—the candidate to be allowed freedom of choice in the remaining five numbers:—

BACH, J. S.
- Two Part Inventions, Nos. 1 and 2; 3 and 4; 5 and 8; 13 and 14.
- Preludio Con Fughette, in E minor, No. 7 (Peters' edition, vol. 200).
- Preludio Con Fuga, in A minor, No. 8 (Peters' edition, vol. 200).
- Bourrée in A minor and major, from the Second English Suite.

BACH, PH. EM.
- Rondo Andantino, B minor (Schirmer).

BACHMANN, G.
- La Capricieuse.

BEETHOVEN.
- Rondo in C major op. 51, No. 1.
- Sonata, op. 49, No. 1.
- Six Easy Variations on an original Theme.

BIZET, G.
- Second Menuet L'Arlesienne.

BLUMENFELD, FELIX.
- Prelude, op. 17, No. 16.

BORCH, GASTON.
- Deux Romances sans Paroles, D flat, op. 67, No. 1; No. 2.

BOROWSKI.
- Scène de Ballet in G.

CHAMINADE.
- Meditation in A flat, op. 76, No. 6.

CHOPIN.
- Valse in D flat major, op. 64, No. 1.
- Valse, in C sharp minor, op. 64, No. 2.
- Valse, op. 34, No. 2.
- Mazurka, op. 7, No. 2, and op. 7, No. 4.

CHOPIN.
- Mazurka, op. 33, No. 4.
- Nocturne, op. 9, No. 2, in E flat major.
- Nocturne, op. 32, No. 1, in B major.
- Nocturne, op. 37, No. 1, in G minor.
- Marche Funèbre, op. 72, No. 2.

DAVIDOFF-REINECKE.
- Romance Sans Paroles.

DOLMETSCH.
- 2nd Valse Lente.

DUCELLE, P.
- Arielle, op. 19.

DUSSEK.
- Consolation.

DVORAK.
- Silhouette, C sharp minor.

ELGAR, E.
- Salut d'Amour, op. 12.

FIELD.
- Nocturne in B flat, No. 5.

GADE, N. W.
- In the Woods, op. 41, No. 1.

GLUCK-SGAMBATI.
- Melodie, D minor.

GODARD.
- Au Rouet.
- Pan Pastorale, op. 50.
- Au Matin.
- Barcarolle Vénitienne, op. 110, No. 2.

GOTTSCHALK, L. M.
- L'Etincelle.

GRIEG.
- Berceuse, op. 38, No. 1.
- Walzer Capricen, op. 37, No. 2.

HANDEL.
- The Harmonious Blacksmith (from Suite V.).

HAYDN, J.
Sonatas (Schirmer, vol. 295), No. 2 in E minor.
No. 3, in E flat major (first movement).
No. 5, in C major (first movement).
HELLER, STEPHEN.
Tarantella in A flat major.
Andantino and Capricetto, No. 6 (Halle).
HENSELT.
Wiegenlied in G flat.
JADASSOHN, S.
Improvisation, op. 48, No. 2.
Remembrance (Album Leaves), op. 71, No. 6.
JENSEN, A.
Serenade in E.
JENSEN-NIEMANN.
Murmuring Zephyrs.
JOSEFFY, R.
Trois Valses, No. 1.
KWAST, JAS.
Valse Caprice, op. 3.
LACK, TH.
Caprice in E flat, op. 30, No. 12.
Idilio.
LESCHETIZKY.
La Piccola.
LIEBLING, EMIL.
Valse Poetique, op. 31.
LISZT.
Consolation, No. 3, in D flat major.
MACDOWELL.
Sea Pieces, op. 55, No. 5.
Woodland Sketches, Nos. 1 and 6.
Humoreske, op. 28, No. 1.
MENDELSSOHN.
Songs Without Words, No. 1; 18; 19; 20; 30.
MERKEL, G.
Polonaise in A, op. 28.
Tarantella in A minor, op. 92.
MEYER-HELMUND.
Nocturne in G flat major.
Arabesque in B major. Tanzweise.
MLYNARSKI, E.
Romance, op. 3.
MOSCHELES.
Rondo, La Tenerezza, op. 36, No. 1.
MOSZKOWSKI.
Mélodie, op. 10.
Musical Moments, op. 7, No. 1.
Scherzo in F major.
Scherzino, op. 18, No. 2.
MOZART.
Sonatas (Schirmer's edition, vol. 65).
No. 7 in F major (any two movements).
No. 9 in A major (first movement).
No. 10 in B flat major (first movement).
No. 13 in D major (any two movements).
NIEMANN.
Gavotte, G major.
NOELCK, A.
Valse Elegante, op. 95.
NOLLET.
Elégie, op. 88.
PADEREWSKI.
Menuet, op. 14, No. 1.
Sarabande, op. 14, No. 2.
PAUER, M.
Waltz, op. 7, No. 8.
RAFF.
Etude Mélodique in A, op. 130, No. 2.
RAMEAU.
Gavotte (Le Tambourin).
RUBINSTEIN.
Mélodie in F.
Kleine Barcarolle in G minor.
SAINT-SAENS.
First Mazurka, op. 21.
Gavotte in C minor, op. 25.
SAPELNIKOFF.
Petit Mazurka, op. 2.
SCARLATTI-TAUSIG.
Pastorale in E minor.
SCHARWENKA.
Polish Dance E flat minor.
Valse Melancolique, op. 71, No. 1.
Petite Valse, op. 76, No. 3.
SCHUBERT.
Impromptu in G major, op. 90, No. 3.
Impromptu in A flat, op. 90, No. 4.
Momens Musicals, op. 94, No. 2 in A flat.
Momens Musicals, op. 94, No. 1, in C.

SCHUMANN.
Forest Scenes, op. 82, Nos. 1 and 2.
Romanza, op. 28, No. 4.
Slumber Song, in E flat.
Nachtstücke, op. 23, No. 4.
SCHUETT, E.
Etude Mignonne.
Rêverie, op. 34, No. 5.
Au Ruisseau.
SCHYTTE.
Rhapsody.
SGAMBATI.
Pièces Lyriques.
SILAS.
Gavotte, E minor.
Bourrée, C minor, op. 88.
SMITH, WILSON G
Valsette.
STAVENHAGEN, B.
Caprice in B minor, op. 2, No. 3.
STOJOWSKI.
Gondoliera, op. 5.
THOME.
La Sirène, op. 36.
TSCHAIKOWSKI.
Valse in A flat.
Barcarolle, "June," op. 37.
Valse in F sharp minor, op. 40, No. 9.
Nocturne, op. 10, No. 1.
Danse Russe, op. 40, No. 10.
Song without Words, op. 2, No. 3.
WELSMAN, F. S.
Menuet in A.
WHEELDON, A. A.
Chant d'Amour.
WOLFF, BERNHARD.
Gavotte, op. 209, No. 1.
Tarantelle, op. 209, No. 2.
WOLLENHAUPT.
Morceau en forme d'Etude, in A flat major.
WOYCKE, EUGEN.
Première Tarantelle, op. 56, No. 3.

Technical Tests, Etc., in Junior Piano Examination.

Candidates must be prepared to play, with accurate fingering and from memory, the following technical tests:—

SCALES.—All major, minor (harmonic and melodic) and chromatic scales, in quarter and eighth notes, legato, compass four octaves:—

♩ = 120, hands separately.

♩ = 100, hands together.

Major scales staccato, hands separately, at a moderate tempo. Candidates will also prepare the scales in accents of groups of three and four, compass three and four octaves respectively.

CHORDS.—All major and minor common chords, solid and broken, in triad and four note forms, with inversions as may be required by examiner; dominant sevenths and diminished seventh chords, with inversions, four note form, hands together, with up and down arm strokes. Broken chords to be played at a moderate tempo.

ARPEGGIOS.—Arpeggios of common chord, and dominant and diminished seventh chords, compass four octaves, with inversions, in quarter and eighth notes.

♩ = 132, hands separately.

OCTAVES.—Staccato and legato, in any required scale, hands together, at a moderate tempo.

EAR TEST.—Candidates will be prepared to sing a major scale, without accompaniment, and will be tested in the intervals of a major third, a perfect octave, a perfect fourth, a perfect fifth, and a major sixth. Candidates who may be unable to sing will be required to recognize the same intervals when played by the examiner (the candidate not to see the keyboard).

SIGHT READING.—Candidates will also be tested in sight playing.

Successful candidates in the Junior Piano Examination will, upon passing the Junior Theory Examination, be awarded the Junior Piano Certificate of the University.

For particulars as to fees, see page 478.

Marks are awarded under the following heads in the Junior Piano Examination:—

Scales, chords, arpeggios, octaves.

Accurate observance of notation, rests, etc., and correctness of fingering.

Phrasing, accent, and interpretation.

Discretion in use of pedal.

Quality of touch.

Choice of time and steadiness of tempo.

Memory playing.

Sight reading.

Ear test.

Senior Grade.

Candidates will prepare eight numbers selected from the following list of compositions, one of which must be by Bach, one by Beethoven, one by Chopin, and one by Schumann—the candidate to be allowed freedom of choice in the remaining four numbers. One of the eight numbers must be prepared by the candidate without the aid of a teacher.

ARENSKY.
An der Quelle; Basso Ostinato.
Valse, E flat major, op. 36.
Etude, F sharp major, op. 36.

BACH, J. S.
French Suites; any one complete.
Inventions in Three Voices; Nos. 1 and 2; 4 and 6.
Well Tempered Clavichord (48 Preludes and Fugues)—Prelude and Fugue in C major, vol. I.; Prelude and Fugue in C minor, vol. I.; Prelude and Fugue in D major, vol. I.; Prelude and Fugue in B flat major, vol. I.; Prelude and Fugue in G sharp minor, vol. I.; Prelude and Fugue in F minor, vol. II.; Prelude and Fugue in G minor, vol. III.; English Suite, No. 2, in A minor.

BARGIEL.
Marche Fantastica, op. 31.

BARTLETT, HOMER N.
Mélodie Plaintive (Etude de Concert), op. 124.

BEETHOVEN.
Sonatas—Op. 7, Allegro Molto, op. 10, No. 1, any two movements. Op. 13, Grave, Allegro; Adagio. Rondo. Op. 14, No. 1, complete; op. 26, any two movements. Andante Favori in F. Op. 31, No. 1, 1st movement; 2nd and 3rd movements. Op. 31, No. 2, 1st movement; 2nd and 3rd movements. Op. 31, No. 3, any two movements; 2nd and 3rd movements.
Variations, op. 34.

BIZET.
1st Menuet l'Arlésienne in C minor.

BRAHMS.
Walzer, op. 39, Nos. 1 to 8; 9 to 16.
Drei Intermezzi, op. 119 (any two).
Variationen über ein ungarisches Thema.

BRASSIN.
Nocturne in G flat major, op. 17.

CHAMINADE.
Autumn, op. 35.
Toccata, op. 39.
Gigue, op. 43.

CHOPIN.
Waltzes, op. 34, No. 1; op. 42.
Polonaises, op. 26, No. 1; op. 40, No. 1; op. 71, No. 3.
Nocturne, op. 9, No. 1; op. 15, No. 2; op. 55, No. 1.
Etudes, op. 10, No. 5; op. 25, No. 7.
Preludes, Nos. 1, 2, 3 and 4; 15 and 17.
Impromptu, op. 29.
Posthumous valse, E minor, No. 14.

CUI, CESAR.
Causerie (Etude) op. 4, No. 6.

DENNEE, CHARLES.
Mountain Scenes, op. 30, Nos. 1, 2 and 3; 4, 5 and 6; 7, 8 and 9.

DOEHLER, TH.
Tarantelle, G minor.

DUPONT, A.
Gavotte in G minor, op. 37, No. 1.

DVORAK, A.
Slavonian Dance, op. 46, No. 8.

GLAZONOUW, A.
La Nuit, Etude, op. 31, No. 3.

GLINKA-BALAKIREW.
The Lark.

GODARD.
Renouveau, Etude, in A flat.
Guirlandes, op. 107, No. 11.

GRIEG.
Humoresken, op. 6 (any three numbers).
Carnival, op. 19, No. 3. Romance, op. 51, for two pianos (either piano part).
Menuett, op. 67.
Lyrische Stücke, op. 71, Nos. 3, 4 and 5.
GRUENFELD, A.
Gavotte, op. 32.
HEINS, DONALD.
Air with Variations.
HELLER.
La Chasse, E flat, op. 29.
HENSELT.
Si oiseau j'étais.
Liebeslied and Romance Russe.
HOLLAENDER, A.
Marche, op. 39, No. 1.
JADASSOHN, S.
La Tarantella, op. 26.
Minuet, op. 66; Vier Fantasiestücke, op. 31.
JUON, PAUL.
Humoreske, op. 12, No. 5.
KARGANOFF, G.
Tarantelle, op. 4.
Valse Caprice, op. 16.
KAWST, JAS.
Valse de Concert, op. 13.
LESCHETIZKY.
The Two Larks.
Octave Intermezzo.
Souvenir d'Ischl.
Les Pêcheurs.
LISZT.
Liebesträume (any one).
Sonnet de Petraca, No. 123.
Sposalizio.
Spinning Song (Wagner).
Marche de Rakoczy.
LITOLFF.
Spinnlied, op. 81.
LUCAS, CLARENCE.
Prelude and Fugue in F minor, op. 38.
MACDOWELL.
Witches Dance, op. 17, No. 2.
Serenade, op. 16.
Barcarolle, op. 18.
Humoreske, op. 18.
MENDELSSOHN.
Songs without Words, Nos. 5, 31 and 34.
Etude in B flat minor.
Andante and Rondo Capriccioso, op. 14.
Scherzo in E major.
Prelude and Fugue, op. 35, No. 2.
Etude in F minor (Presto Agitato) and Etude in B minor (Prestissimo).
Characteristic Pieces, op. 7, Nos. 1 and 2 and 3; No. 4.
MENDELSSOHN-HELLER.
On Song's Bright Pinions, op. 16.
MOSZKOWSKI.
Etincelles, op. 6.
Waltz, A flat major.
Air de Ballet, op. 36, No. 5.
Moment Musical, op. 7, No. 2.
En Automne, op. 35, No. 4.
Guitarre, op. 45, No. 2.
Menuet, op. 17, No. 2.
Liebeswalzer, op. 5.
Scherzo Valse, op. 40.
MOZART.
Fantasia and Sonata, in C (either movement).
NEVIN.
Shepherds All, Lullaby.
Shepherd's Tale, Tournament.
PADEREWSKI.
Légende, op. 16, No. 1.
Mélodie, op. 16, No. 2.
PAGANINI-SCHUMANN.
Caprice, op. 3.
PAUER, E.
La Cascade, op. 37.
PIERNE.
Cache-Cache.
POLDINI, E.
In der Einsamkeit, and Was der Waldbach sich erzählt.
RACHMANINOFF.
Prelude, C sharp minor.
Polichinelle, op. 3, No. 4.
Valse, A major, op. 10, No. 2.
RAFF.
Rigaudon.
Valse Favorite, in D flat, op. 118.
Des Abends, La Fileuse (both).
Polka de la Reine. Impromptu Valse, op. 94.
Tambourin.
Am Loreley Fels.
RAMEAU.
Gavotte and Variations, A minor.

REINHOLD.
Impromptu in C sharp minor, op. 28, No. 3.

RHEINBERGER.
Jagd Scene.
Fugue, op. 5, No. 3.
Toccata.

RUBINSTEIN, A.
Kammenoi Ostrow, op. 10, No. 22.
Fifth Barcarolle in A minor.
Nocturne in F minor.

SAINT-SAENS, C.
Third Mazurka, op. 66.
Valse Canariote, op. 88.

SCARLATTI-TAUSIG.
Pastorale and Capriccio (Peters).

SCHARWENKA, X.
Menuet, op. 43, No. 1.

SCHUBERT.
Impromptu in E flat, op. 90, No. 2.
Impromptu in B flat, op. 142, No. 3.

SCHUBERT-LISZT.
"Hark! Hark the Lark!"

SCHUMANN.
Fantasiestücke, op. 12, Nos. 2; 3 and 4; 7; 8.
Arabeske, op. 18.
Novelletten, op. 21, Nos. 1; 5; 7.
Aufschwung.
Traumes Wirren.

SCHYTTE, L.
Wald Elfen, op. 70, No. 5.
Ueber die Steppe hin.

SGAMBATI.
Nocturne in B minor.
Menuetto Vecchio.
Toccata in A flat.

SINDING, C.
Nocturne, B minor, op. 20, No. 1.
Frühlingsrauschen.
Marche Grotesque.

STOJOWSKI.
Romantische Stücke, op. 25 (any two numbers).
Intermezzo Mazurka, op. 15, No. 2.

STRAUSS, RICHARD.
Op. 9, No. 1; op. 9, No. 3; op. 9, No .4.

TAUBERT.
La Campanella, op. 41.

TAUSIG, C.
L'Espérance.

TSCHAIKOWSKI.
Romance, op. 5.
Menuetto Scherzo, op. 51, No. 3.
Original Variations in F.

VOGRICH.
Staccato Caprice.

WAGNER-BENDEL.
Walthers' Preislied.

WAGNER-LISZT.
Pilgrim's Chorus from Tannhäuser.
Elsa's Bridal Procession.

WEBER.
Polacca in E. Invitation to the Waltz.

WEBER, C. M. VON.
Invitation pour la Valse.

WIENIAWSKI.
Valse de Concert, D flat, op. 3.

WOLLENHAUPT, H. A.
Le Ruisseau, Valse Etude, in B flat, op. 25.

Technical Tests, Etc., in Senior Piano Examination.

Candidates must be prepared to play, with accurate fingering and from memory, the following technical tests:—

SCALES.—All major, minor and chromatic scales in similar motion, legato, compass four octaves, in quarter, eighth and sixteenth notes, and staccato in quarter and eighth notes. Major and harmonic minor scales in similar motion separated by a third, a sixth, and a tenth; and in con-

trary motion beginning on the same note or octave, in quarter, eighth and sixteenth notes:—

♩ = 132, hands separately.

♩ = 112, hands together.

Candidates will also prepare the scales with accents in groups of three, four, six, eight and nine.

CHORDS.—All major and minor common chords with inversions in triad and four note forms; dominant seventh and diminished seventh chords, four note forms, with inversions, both solid and broken with arm strokes as may be required by examiner. Broken chords to be played in quarter, eighth and sixteenth notes.

♩ = 120.

ARPEGGIOS.—Arpeggios formed of all the major and minor common chords, with inversions, compass four octaves, hands separately and together; all chords of the dominant and diminished seventh, hands separately and together, in quarter, eighth, and sixteenth notes.

♩ = 120, hands separately.

♩ = 100, hands together.

OCTAVES.—All major, minor and chromatic scales, staccato and legato, hands separately and together.

Wrist staccato, in quarter and eighth notes.

Arm strokes and legato, in quarter notes,

♩ = 120.

EAR TEST.—Candidates must be prepared to sing, without accompaniment, the major and minor scales (harmonic and melodic) and will also be tested in any major and minor intervals within the octave. Candidates who may be unable to sing will require to distinguish the scales and intervals included in this test, when played on the piano by the examiner (the candidate not to see the keyboard).

SIGHT READING.—Candidates will also be tested in sight playing.

Senior Piano Certificate.

Successful candidates in the Senior Piano Examination, who have passed the Intermediate Theory Examination, will be awarded the Senior Piano Certificate of the University.

For particulars as to fees, see page 478.

Marks will be awarded under the following heads in the Senior Piano Examinations:—

Scales, chords, arpeggios, octaves.

Accurate observance of notation, rests, etc., and correctness of fingering.

Phrasing, accent and interpretation.

Discretion in use of pedal.

Quality of touch and variety and gradation of tone.

Choice of time and steadiness of tempo.

Musicianship as displayed in general work and in self studied number.

Memory playing.

Sight reading.

Ear test.

SINGING.

Primary Grade.

Successful candidates in the Primary Singing Examination will receive the Primary Singing Certificate of the University.

For particulars as to fees, see page 478.

Candidates must be prepared:—

(1) To sing any major scale, without accompaniment.

(2) To sing an major or perfect interval above a given note.

(3) To sing three studies, selected from Nos. 1-10 of Concone's "Fifty Singing Lessons," for medium voice.

(4) To sing four songs from the list given on page 28.

(5) For a brief oral examination.

Marks will be awarded under the following heads:—

Voice production.
Correctness of intonation.
Management and control of the breath.
Phrasing and expression.
Distinctness and correctness of pronunciation.
Accuracy as to tempo in the selected songs and studies.
Time and rhythm.
Flexibility.
Precision and neatness in attacking and leaving notes.

Junior Grade.

Before a certificate is granted in this grade, candidates must pass the Junior Examination in the Theory of Music.

For particulars as to fees, see page 478.

Candidates must be prepared:—

(1) To sing any major or harmonic minor scale at various degrees of speed, without accompaniment.

(2) To sing any major, minor or perfect interval above a given note.

(3) To sing, at sight, an easy melody, without accompaniment.

(4) To sing four studies of different character, one of which must be in a minor key, selected from Nos. 1-20 of Concone's "Fifty Singing Lessons," (medium voice) and from Nos. 1-18 of Concone's "Forty Lessons" for contralto (or bass).

(5) To sing five songs, three from group (a) and two from group (b).

(6) For a brief oral examination.

(7) To sing arpeggios of the major and minor common chord, thus:

Marks will be awarded under the following heads:—

Voice production.
Correctness of intonation.
Management and control of the breath.
Variety of tone, phrasing and expression.
Distinctness and correctness of pronunciation.
Accuracy as to tempo in the selected songs and studies.
Time and rhythm.
Flexibility.
Precision and neatness in attacking and leaving notes.
Posture and facial expression.
Sight singing.
Technical tests.

For all Candidates in Singing.

Candidates must bring their own accompanists. Teachers may act as such.

All accompaniments should be played as written.

Candidates have the option of singing the words of their solos either in the original language or in the English translation of the same.

All scales and studies should be vocalized to the word A (pronounced as in fȧther), or sung to sol-fa syllables.

Senior Grade.

Before a certificate is granted in this grade, candidates must pass the Intermediate Examination in the Theory of Music.

For particulars as to fees, see page 478.

Candidates must be prepared:—

(1) To sing any major, minor (melodic or harmonic) or chromatic scale, at various degrees of speed, and without accompaniment.

(2) To sing any diatonic or chromatic interval within the octave of a given note.

(3) To sing, at sight, an unaccompanied melody containing simple modulations.

(4) To sing two recitatives.

(5) To sing four studies of different character, two of which must be in a minor key, selected from Nos. 18-50 of Concone's "Fifty Singing Lessons," (medium voice), and from 16-40 of Concone's "Forty Lessons" for contralto (or bass).

(6) To sing eight songs, four from each group marked (a) and (b).

(7) For a brief oral examination.

(8) To sing arpeggios of the common chord and dominant seventh, thus:—

Marks will be awarded under the following heads:—

Voice production.
Correctness of intonation.
Management and control of the breath.
Variety of tone, phrasing and expression.
Distinctness and correctness of pronunciation.
Accuracy as to tempo in the selected songs and studies.

Time and rhythm.
Flexibility.
Precision and neatness in attacking and leaving notes.
Posture and facial expression.
Sight singing.
Recitative.
Technical tests.

Primary Grade.

ABT.
"May-Song."
"Du der Rosen Rose."
"The Wanderer's Dream."
"Oh! little Thrush."
BUNGERT.
"Within my Heart."
CHADWICK.
"The Dandelion."
"A bonny Curl."
DEL RIEGO, T.
"My gentle Child."
HAWLEY.
"Daisies."
HEISE.
"Little Karen."
HOOD.
"Shepherdess."
JOHNSON, N.
"Teach Me the Charm."
LANE.
"Roses of June."
"Harvest."
SCHUBERT.
"Das Weinen."
"Der Kreuzzug."
SCHUMANN.
"Zum Schluss."
SPEAKS.
"Eyes of Blue."
SULLIVAN.
"Where is another Sweet?"
WEBBER.
"Constancy."
WOODMAN.
"Violets."
WRIGHT, E.
"A Dream."
WILLEBY.
"The Sweet of the Year."

Junior Grade.

High Voice.

List (*a*)—

ABT.
"Sweet Dream."
"Still as the Night."

BACH, F. W.
"Each Blade is wet." (Kein Hälmlein wächst).

BENNETT, STERNDALE.
"Maydew."

BRAHMS.
"Sandmännchen."
"Von ewiger Liebe."

CHOPIN.
"The Maiden's Wish."

FRANZ.
"Marie."

GRIEG.
"The Poet's last Song." (Des Dichters letztes Lied).
"Margaret's Cradle Song." (Margaretchens Wiegenlied).

HANDEL.
"How beautiful are the feet of them that preach the gospel of peace."

HAYDN.
"My Mother bids me bind my Hair."

HENSCHEL.
"The Sunny Beam."
"Morning Hymn."
"Swiss Song."
"Dear Ladybird."

MENDELSSOHN.
"Minnelied." (Op. 47).

MENDELSSOHN.
"The Garland."

SCHUBERT.
"Hedge-roses." (Haiden Röslein).
"The Pilgrim."

SCHUMANN.
"To the Sunshine." (An dem Sonnenschein).

SINDING.
"Pearls."

SUCHER.
"Liebesglück."

List (*b*)—

BISHOP.
"Love has Eyes."

BRAHAM.
"The Anchor's weighed."

BUCK.
"When the Heart is young."

CHAMINADE.
"'Tis Snowing." (Il neige.)

CLAY.
"I'll sing thee Songs of Araby."

CORBETT.
"Butterflies."

COWEN.
"When the World is fair."
"The silent Chimes."

FORSYTH, W. O.
"Love springs up wild."

GERMAN, E.
"In Summer-time."

GODARD.
"Chanson de Florian."

HAM, ALBERT.
"Mädchen mit dem rothen Mündchen."

HORROCKS.
"The Bird and the Rose."

LEHMANN, LIZA.
"You and I."

MATTEI.
"Dear Heart."

PINSUTI.
"Welcome pretty Primrose."

RANDEGGER, A.
"Autumn Days."

SOMERVELL.
"On a Summer Morning."

SOMERVILLE.
"A Butterfly Song."

SULLIVAN.
"County Guy."

TOURS.
"Stars of the Summer Night."

TOSTI.
"Beauty's Eyes."

Low Voice.

List (*a*)—

ABT.
"Rose of Roses."
BEETHOVEN.
"Nature's Adoration." (Die ehre Gottes aus der Natur.)
BENNETT.
"O Lord Thou has searched me out." (Woman of Samaria.)
DEL RIEGO, T.
"My gentle Child."
GRIEG.
"The old Song." (Das alte Lied.)
HANDEL.
"Return, O God of Hosts." (Samson.)
MACKENZIE.
"Spring Song."
MOLIQUE.
"Could I through azure fly."
RUBINSTEIN.
"The Nightingale and the Rose."
SCHUBERT.
"Whither?" (Wohin?)
"Abschied." (Ueber die Berge.)
SCHUMANN.
"My Heart's in the Highlands." (Hochländers Abschied.)

List (*b*)—

ADAMS, JOSEPH.
"The gentle Shepherd."
BENEDIX, MAX.
"Auf Wiedersehn."
CHAMINADE.
"Madrigal."
GATTY.
"True till Death."
JOHNSON, NOEL.
"The Rose."
"The River and the Sea."
LOHR.
"Out on the Deep."
NEEDHAM, A.
"An Irish Lullaby."
PELLISIER.
"When Roses bloom."
SMART.
"The Lady of the Lea."
STRELEZKI.
"Happy Days."
SULLIVAN.
"Looking back."
"You sleep."
WHITE, M. V.
"When you return."
"Mother Love."

Senior Grade.

Soprano.

List (*a*)—

BEETHOVEN.
"Kennst du das Land."
BISHOP.
"Bid me discourse."
CHOPIN.
"Lithuanian Song."
FRANZ.
"May Song."
"Um Mitternacht."
GOUNOD.
"Le parlate d'amor." (Faust.)
GRIEG.
"Im Kahne."
"The Princess."
HANDEL.
"O, had I Jubal's Lyre."
HAYNES, B.
"Gute Nacht."
HENSCHEL.
"A Song of Flowers."
"The Angels dear."
(To count as one number.)
LISZT.
"Mignon's Song."
MACKENZIE.
"Gentle Dove." (Colomba.)
PURCELL.
"Nymphs and Shepherds."
SCHUMANN.
"A May Song." (Im wunderschönen Monat Mai.)
"The Rose and the Lily." (Die Rose, die Lilie.)
(To count as one number.)
SCHUBERT.
"Serenade."
SINDING, CHRISTIAN.
"I heard the Gull."
"The Mother sings."
(To count as one number.)
STRAUSS, R.
"Allerseelen."
VIDAL, PAUL.
"Chant d'Exil."
TAUBERT.
"In a strange Land."
WAGNER.
"Elizabeth's Prayer." (Tannhäuser.)

List (*b*)—

ALLITSEN.
"A Song of Thanksgiving."
"Sunset and Dawn."
BEACH, MRS. H.
"Jephthah's Daughter."
BLUMENTHAL.
"Eventide." (Abendlied.)
"Sleep."
CHAMINADE.
"Captive Love." (L'Amour Captif.)
"Rest."
DESSAUER.
"Ouvrez." (Awake, dear Maid.)
DVORAK.
"Songs my mother taught me."
GRANIER.
"Hosanna."
LEHMANN, L.
"Endymion."
MASCHERONI.
"My Paradise."
STANGE.
"Damon."
WALTHEW.
"Beat Upon Mine Little Heart."

Contralto.

List (*a*)—

BEETHOVEN.
"In questa tomba oscura."
BOHM.
"Thine Only."
BUONONCINI.
"Bold Pilot unheeding." (L'Esperto Nocchiero.)
CONCONE.
"Judith."
FRANZ.
"Nebel."
"Vergissmeinnicht."
(To count as one number.)
GRIEG.
"With a Water-lily." (Wasserlilie.)

HANDEL.
"Lord to Thee each Night and Day." (Theodora.)
HANDEL.
"Thou shalt bring them in." (Israel in Egypt.)
MENDELSSOHN.
"Woe unto Them." (Elijah.)
THOMAS.
"Gavotte." (Mignon.)
SAINT-SAENS.
"La Cloche."
SCARLATTI.
"O Cessate di Piagarmi."
SCHUBERT.
"Margaret at the Spinning Wheel." (Gretchen am Spinnrade.)
STRAUSS.
"Allerseelen." Op. 10, No. 8.

List (*b*)—
BARNBY.
"When the flowing Tide comes in."
BIZET.
"In the Woods." (Vieille Chanson.
CHAMINADE.
"Ritournelle."
ELGAR.
"Where Corals lie."
HATTON.
"The Enchantress."
MASSENET.
"Bonne Nuit."
MURRAY.
"The Night."
(OLD FRENCH).
"La Charmante Marguerite."
STERN, L.
"Oh, for a Day of Spring!"
SULLIVAN.
"Will he come."
TSCHAIKOWSKI.
"Spanish Serenade."
TOURS.
"Because of Thee."
WHITE.
"A Memory."
"Let Us Forget."
(To count as one number.)

Tenor.

List (*a*)—
BEETHOVEN.
"Adelaide."
BRAHMS.
"Sonntag."
DVORAK.
"Gute Nacht."
ELGAR.
"There are seven that pull the Thread." (Grania and Diarmid.)
FLOTOW.
"Like a Beam from Above." (M'appari tutt'amor.) (Martha.)
HANDEL.
"Where e'er you Walk." (Semele.)
MASSENET.
"Sonnet payen." (Pagan Sonnet.)
RICO.
"Spring Faith."
RUBINSTEIN.
"The Falling Star."
STAINER.
"My Hope is in the Everlasting." (Daughter of Jairus.)
THOMAS, GORING.
"The Willow."
VERDI.
"La donna è mobile." (Rigolette.)
WHYTE, E.
"With the Night."

List (*b*)—
BALFE.
"Good Night Beloved."
COENEN.
"Lovely Spring." (Frühlingslied.)
ELGAR.
"After."
HOBBS.
"Phyllis is my only Joy."
MEYER-HELMUND.
"Gondolier's Song."
RANDEGGER.
"Sleep, Dearest, Sleep."
SALAMAN.
"I arise from Dreams of thee."

STANGE.
"Gretula."
SULLIVAN.
"The Sailor's Grave."
WALLACE.
"There is a Flower that bloometh." (Maritana.)

Baritone and Bass.

List (*a*)—

CACCINI.
"Amarilli."
CALLCOTT.
"Friend of the Brave."
GRIEG.
"Sunset."
HANDEL.
"Honor and Arms." (Samson.)
HAYDN.
"With Joy, the impatient Husbandman." (The Seasons.)
LOEWE.
"Henry the Fowler."
MENDELSSOHN.
"O God, have Mercy." (St. Paul.)
MOZART.
"If you would dance." (Se vuol ballare.) (Figaro.)
SCHUBERT.
"Resting Place." (Aufenthalt.)
SCHUMANN.
"Wanderer's Song." (Wanderlied.)
WEIDT.
"Watchman's Song."

List (*b*)—

BEACH, MRS. H.
"Good Morning."
"Good Night."
(To count as one number.)
BENEDICT.
"Rage, thou angry Storm."
BRAINARD.
"If I were King."
CHAMINADE.
"Couplet Bachique."
ELGAR.
"Like to the damask Rose."
ELLIOTT.
"Hybrias, the Cretan."
GOUNOD.
"Nazareth."
HATTON.
"Homeward bound."
HOMER, S.
"Prospice."
KORBAY.
"There's on Earth." (Hungarian Song.)
SOMERVELL.
"Birds in the high Hall Garden."
SHIELD.
"The Wolf."

RECITATIVE.

Soprano.

HANDEL.
"Oh, let eternal Honors crown His Name." (Judas Maccabaeus.)
HANDEL.
"And the Angels said unto them." (Messiah.)

Contralto.

HANDEL.
"'Twill be a painful Separation." (Jephtha.)
MENDELSSOHN.
"Now Cherith's Brook is dried up." (Elijah.)

Tenor.

HANDEL.
"How vain is Man who boasts in Fight." (Judas Maccabaeus.)

MENDELSSOHN.
"Ye People rend your Hearts." (Elijah.)

Baritone and Bass.

HANDEL.
"I Feel the Deity within." (Judas Maccabaeus.)

HAYDN.
"At last the bounteous Sun." (The Seasons.)

ORGAN.

Junior Grade.

Candidates must be prepared to play eight compositions selected from the following list. One number, at least, must be chosen from the list of pieces by Bach, the candidate being permitted freedom of choice in the remaining seven pieces. One number must be prepared without teacher's assistance:—

BACH, J. S.
- Prelude and Fugue in C major (Vol. 2, No. 1, Peters).
- Eight Short Preludes and Fugues, any one (Vol. 8, Peters).
- Prelude and Fugue in E minor (Vol. 3, No. 10, Peters).
- Fantasia in C minor (Vol. 4, No. 12, Peters).
- Prelude in A minor (Vol. 2, No. 13, Peters).
- Pastorale in F (Vol. 8, Peters).

BOELLMANN, L.
- Offertoire sur des Noels.

CALKIN, J. BAPTISTE.
- Andante con moto, op. 101.
- Festival March, op. 80.

DUBOIS, TH.
- Marche du Procession, in D.
- Cantilene Nuptiale, A.

D'EVRY.
- Meditation (Lemare's Recital Series, No. 13).

DESHAYES.
- Prelude in D (Schirmer).

GUILMANT.
- Canzona in A minor.
- Elevation in A flat.
- Prayer in E flat.
- Postlude in F (The Practical Organist).

HANDEL-SPARK.
- Bourrée in D major (Ashdown & Parry).

LEMARE.
- Elegy in G. Pastorale in E.

LUCAS.
- Meditation in A flat, op. 27 (Schott).

MERKEL.
- Three Andantes, op. 144 (any one).
- Prelude in E flat, op. 100, No. 1.
- Postludium in D.

REA, W.
- Larghetto in E flat.

RHEINBERGER.
- Trio in C, No. 2, from Ten Trios, op. 49.

RINCK.
- Postlude in F major, Organ School, Bk. V., No. 3.

SAINT-SAENS.
- Communion in E, op. 13.

SALOME.
- Cantilene in A minor.
- Offertoire in D flat.

SMART.
- Andante Grazioso in G.
- Moderato in D.
- Six Short and Easy Pieces (any one), Novelle.

TOMBELLE, F. DE LA.
- Meditation.

TOURS, B.
- Allegretto Grazioso.

TOURS-CALKIN.
- Four Sacred Melodies (any one), Novello.

WEST, J. E.
- Prelude in A, op. 26 (Novello).

WACHS.
- Hosanna.

WHEELDON.
- Cantilene (Lemare Recital Series).
- Berceuse in G.

WOLSTENHOLME.
- Andantino (Lemare Recital Series).
- Canzona (Lemare Recital Series).
- Le Carillon.

Candidates must also be prepared to play at sight a simple chant or hymn tune as may be required by the examiner; to transpose at sight a simple chant; play at sight a simple organ composition, and to answer questions on pitch and character of stops, and registration, etc. There will also be an ear test on the major, minor and perfect intervals within the octave.

Junior Organ Certificate.

Successful candidates in the Junior Organ Examination, who have passed the Junior Theory Examination, will receive the Junior Organ Certificate of the University.

Marks will be awarded under the following heads in the Junior Organ-Examinations:—

Accuracy as to notes, rests, etc.
Independence of action between hands and feet.
Touch—Legato, clear part playing, etc.
Registration and management of stops.
Musicianship in self studied piece and general work.
Phrasing.
Strictness of time and choice of tempo.
Questions on stops, etc.
Hymn playing and sight reading.
Transportation.
Ear test.

For particulars as to fees, see page 478.

Senior Grade.

Candidates must be prepared to play eight compositions selected from the following list. One number, at least, must be chosen from the list of pieces by Bach, and one must be by Mendelssohn—the candidate being allowed freedom of choice in the remaining six pieces. One number must be prepared without teacher's assistance:—

BACH, J. S.
- Prelude and Fugue in G major (Vol. IV., No. 2, Peters).
- Prelude and Fugue in C minor (Vol. II., No. 6, Peters).
- Fugue in E flat (St. Anne's).
- Prelude and Fugue in A minor (Vol. III., No. 1, Peters).
- Fugue in C minor (Vol. IV., No. 6, Peters).
- Fugue in G minor (Vol. IV., No. 7, Peters).

BARNETT.
- Offertoire in G minor (Novello).

BUCK, DUDLEY.
- Sunshine and Shadow, from Four Tone Pictures.
- Holy Night, from Four Tone Pictures.

DIENEL, OTTO.
- Andante, op. 13, No. 1.

DUBOIS.
- Toccata in G.
- Fiat Lux.

GARRETT.
- Andante Moderato in A major.

GIGOUT.
- Rhapsodie on Christmas Hymns.

GRISON.
- Cantabile in G major (Schirmer).

GUILMANT.
- Torchlight March.
- Grand Choeur in D major, Marche Religieuse in F.
- Allegretto in B.

HESSE.
- Prelude and Fugue in D minor, op. 66 (Augener).
- Variations on an original theme in A flat.

HOLLINS.
- Andante in D, Lemare Recital Series.

LACHNER, F.
- Marche Célèbre.

LEMARE.
- Marche Solonnelle.

LEMMENS.
- Fantasia in A minor (Schirmer).
- Finale in D (Ecole d'Orgue).
- Allegretto in B flat.

MENDELSSOHN.
- Prelude and Fugue, No. 2, Sonata, No. 5.
- Air and Variations in D (op. post).

MERKEL.
- Adagio in E, op. 35.
- Fugue on the name B.A.C.H. op. 40.
- Easter March, op. 145, No. 4.

PIUTTI.
- Sechs Stücke, op. 11 (any one).

RHEINBERGER.
- First Sonata, in C minor.

SAINT-SAENS.
- Elevation in E.
- Benediction Nuptiale.

WEST.
- Andante Religioso in B flat (Novello).

WOLSTENHOLME.
- Cantilene in A flat.
- Question and Answer.

Candidate must be prepared to play at sight, and with appropriate registration, several verses of a hymn tune or chorale; to play at sight an organ composition; to transpose a hymn tune or chorale into any key required within the compass of a third, above or below, to answer questions on organ construction and registration, etc., and to pass an ear test on any interval within the octave.

Senior Organ Certificate.

Successful candidates in the Senior Organ Examination, who have passed the Intermediate Examination in Theory, will receive the Senior Organ Certificate of the University.

Marks will be awarded under the following heads in the Senior Organ Examination:—

Accuracy as to notes, rests, etc.
Independence of action between hands and feet.
Touch—Legato, clear part playing, etc.
Choice and management of stops.
Phrasing.
Strictness of time and choice of tempo.
Musicianship in general requirements and self studied piece.
Sight playing.
Hymn playing.
Transposition.
Ear test.
Questions on the organ, stops, etc.

For particulars as to fees, see page 478.

VIOLIN.

Primary Grade.

NOTE.—Candidates must bring their own accompanist, their teachers being permitted to act as such. Candidates are also requested to have their strings, pegs, and bows in perfect condition.

Candidates will be required to prepare six studies, and four pieces chosen from the following list, one piece being selected from each group:—

Studies.

DONT.
Op. 38, Twenty Exercises.

Pieces.

Group No. 1:—

DANCLA.
Six airs varies, op. 89 (any one).

Group No. 2:—

HANDEL.
Bourrée (Classic Pieces, Peters).

MOZART.
Menuetto (Classic Pieces, Peters).

BACH.
Loure (Classic Pieces, Peters).

GABRIEL-MARIE.
La Cinquantaine.

GILLET.
Passepied.

BOCCHERINI.
Menuetto.

GLUCK.
Gavotte from Don Juan.

Group No. 3:—

Corelli Album (Litolff), 1 Sarabanda, 1 Gavotte, and 1 Giga (these three being regarded as one number).

Group No. 4:—

GLUCK.
Andante (Classic Pieces, Peters).

HANDEL.
Largo (Classic Pieces, Peters).

BACH.
Sarabanda (Classic Pieces, Peters).

TARTINI.
Adagio (Classic Pieces, Peters).

SCHUBERT.
Preghiera (Classic Pieces, Peters).

HUMMEL.
Romance (Classic Pieces, Peters).

HAYDN.
Serenade.

BRAGA.
Angel's Serenade.

MENDELSSOHN.
Spring Song.

HAUSER.
Cradle Song.

REBER.
Berceuse.

SCHUMANN.
Träumerei.

GOUNOD.
Serenade.

MASCAGNI.
Intermezzo.

THOME.
Simple Aveu.

RENARD.
Berceuse.

N.B.—Candidates are advised to memorize as much as possible of their work.

Technical Tests, Etc.

Candidates must be prepared to play (from memory) all major and melodic and harmonic minor scales through two octaves.

Sight Reading.

Candidates will be required to play at sight a simple piece in the first three positions.

Primary Violin Certificate.

Successful candidates in the Primary Violin Examination will be awarded the Primary Violin Certificate of the University.

For particulars as to fees, see page 478.

Marks will be awarded under the following heads in the Primary Violin Examination:—

Position.
Purity of intonation.
Tone—quality and volume.
Technique, left hand.
Technique, bowing.
Accuracy of notation in both bow and finger markings.
Style, conception—natural qualifications.
Memory.
Sight reading.

Junior Grade.

NOTE.—Candidates must bring their own accompanist, their teachers being permitted to act as such. Candidates are also requested to have their strings, pegs, and bows in perfect condition. Candidates will be required to prepare six studies, and six pieces chosen from the following list, one piece being selected from each group.

Studies.

KREUTZER.
42 studies (any, except the studies in double-stopping).

Pieces.

Group No. 1:—

DE BERIOT.
Scène de Ballet (Bolero, or Tempo di Valse).
DE BERIOT.
Air Varié, No. 6 or No. 7.
RODE.
7th Concerto (1st or 3rd movement).
Air Varié in G (David).
BACH.
Concerto in A minor (1st or 3rd movement).
BACH.
Concerto in E (1st or 3rd movement).

Group No. 2:—

VIEUXTEMPS.
Réverie.
ERNST.
Elégie.
SPOHR.
Barcarole.
HOLLAENDER.
Spinning Song.
BOHM.
Cavatina.
RAFF.
Cavatina.

Group No. 3:—

WIENIAWSKI.
Mazurkas (any one).

Group No. 4:—

BACH.
Air on G string.
JENSEN.
Träumerei.
GODARD.
Berceuse from Joselin.
WAGNER.
Dreams.
SIMON.
Berceuse.
SITT.
Barcarole.
MASSENET.
Meditation.
SCHUMANN.
Evening Song (Joachim).
FIELD.
Nocturne in E flat.
MOZART.
Larghetto.
RIES.
Barcarole from Suite in G.

Group No. 5:—

HANDEL.
Sonata in A (David).
VIVALDI.
Sonata (David).
TARTINI.
Sonata in G minor.

Group No. 6:—

SCHUBERT.
3 Sonatinas (any one).

MOZART.
Sonatas (any one).

HAYDN.
Sonatas (any one).

N.B.—Candidates are advised to memorize as much as possible of their work.

Technical Tests, Etc.

Candidates must be prepared to play from memory all major, melodic and harmonic minor scales, and also arpeggios through three octaves.

Sight Reading.

Candidates will be required to play at sight a piece of moderate difficulty.

Junior Violin Certificate.

Successful candidates in the Junior Violin Examination, who have passed the Junior Theory Examination, will be awarded the Junior Violin Certificate of the University.

Marks will be awarded under the following heads in the Junior Violin Examination:—

Tone—quality and volume.
Technique, left hand.
Technique, bowing.
Rhythm, choice of tempo, phrasing, etc.
Style, emotion, brilliancy (natural qualifications).
Sight reading.
Memory.

For particulars as to fees, see page 478.

Senior Grade.

NOTE.—Candidates must bring their own accompanist, their teachers being permitted to act as such.

Candidates will be required to prepare six studies and seven pieces chosen from the following list, one piece being selected from each group:

Studies.

KREUTZER.
42 studies (the exercises in double stopping).

RODE.
24 Caprices.

Pieces.

Group No. 1:—

DE BERIOT.
Concertos (any one, complete).
MOZART.
Concertos (2 movements from any one).
VIOTTI.
22nd Concerto (1st and 3rd movement).
KREUTZER.
Concertos (13th or 19th, complete).

Group No. 2:—

WIENIAWSKI.
Legende.
RIES.
Adagio from Suite in G.
BEETHOVEN.
Romance in G.
Romance in F.
SVENDSEN.
Romance.
BRUCH.
Kol Nidrey.
GODARD.
Adagio from Concerto in A minor.
GODARD.
Adagio pathetic.

Group No. 3:—

SPOHR.
Adagio from 9th Concerto.
SPOHR.
Adagio from 11th Concerto.
Adagio from 7th Concerto.
VIOTTI.
Adagio from 22nd Concerto (David).
MOZART.
Adagio from Concerto in A (David).

Group No. 4:—

WIENIAWSKI.
Valse caprice.
HUBAY.
Heira Kati.
ALARD.
Brindisi Waltz.
VIEUXTEMPS.
Fantasie caprice.
VIEUXTEMPS.
Fantasie appassionata.
VIEUXTEMPS.
Ballade e Polonaise.
LEONARD.
Souvenir de Haydn.
LEONARD.
Souvenir de Bade.
LEONARD.
Fantasie Militaire.
WILHELMJ, A.
Ballade, op. 40.

Group No. 5:—

RIES.
Suite in G (moto perpetuo).
HAUSER.
Hungarian Dances.
LECLAIR.
Tambourine.
SCHUBERT.
L'abeille.
PAGANINI.
Moto perpetuo.

Group No. 6:—

RUST.
Sonata in D minor.
LECLAIR.
Sonatas (David), any one.
NARDINI.
Sonatas (David), any one.

Group No. 6:—

BEETHOVEN.
Sonatas Nos. 1, 2, 4, 5 (any one).

GADE.
Sonatas (any one).

Group No. 7:—

BACH.
Sonatas for Violin Solo, any two movements.

Technical Tests, Etc.

Candidates must be prepared to play from memory the major and minor scales in thirds, sixths and octaves through two octaves.

Technic of the Bow.

Sight Reading.

Candidates will be required to play at sight one slow and one quick movement of moderate difficulty.

Senior Violin Certificate.

Successful candidates in the Senior Violin Examination, who have passed the Intermediate Theory Examination, will be awarded the Senior Violin Certificate of the University.

Marks will be awarded under the following heads in the Senior Violin Examination:—

Tone, quality and volume.
Technique, left hand.
Technique, bowing.
Individuality, style and natural qualifications.
Interpretation, choice of tempo, phrasing, etc.
Sight reading.
Memory.

For particulars as to fees, see page 478.

Table of Fees for Local Examinations.

NOTE.—Candidates' names (in the proper form of application) and fees must be in the hands of the Registrar of the University on or before November 9th, 1907, and May 9th, 1908. No application will be received after these dates. Candidates, who, *after paying the required fee* do not present themselves, may, upon presenting a valid excuse, be allowed the privilege of entering the *succeeding* examination on payment of half the regular fee.

The fee for certificates will be returned to unsuccessful candidates.

Theory:—

Junior	$2.00
Intermediate	3.00
Senior	4.00
Certificate in each grade	1.00

Pianoforte, Singing and Violin:—

Primary	$3.00
Junior	4.00
Senior	5.00
Certificate in each grade	1.00

Organ:—

Junior	$4.00
Senior	5.00
Certificate in each grade	1.00

A duplicate of the marks awarded to a candidate in a practical subject by the examiner will be issued on payment of a fee of twenty-five cents.

HIGHER EXAMINATIONS.

For the Diploma of Licentiate in Music, University of Toronto, (L. Mus., Tor.).

The Higher Examinations of the University are of a professional standard, and are also regarded by the University as a qualification for teaching.

The examinations for the diploma of Licentiate in Music, University of Toronto, will be held only at the University annually in June, and will be presided over by a specially appointed Board of Examiners.

Applications must be forwarded to the Registrar of the University on or before May 9th. The fees for examination and diploma must, in all cases, accompany the candidate's application for examination. The fee for diploma will be returned to unsuccessful candidates. The names and addresses of candidates should be written on the proper form of application, which may be obtained through the Registrar of the University.

The examination for the diploma of Licentiate in Music shall be at least forty minutes in length.

Candidates who fail to pass the examination will be allowed to present themselves at a succeeding examination on payment of half the regular fee.

PIANOFORTE.

NOTE.—Before a diploma is granted all candidates must pass the University *Junior* and *Senior* Examinations (with honours) in the theory of music.

Candidates must be prepared to play eight numbers chosen from the following list of compositions. One number must be by Bach, one by Beethoven, one by Chopin, one by Schumann, and one by Liszt, the candidate being permitted freedom of choice in the remaining three numbers. One number must be prepared without assistance.

ARENSKY.
Third Suite (first piano part).

BACH, J. S.
Italian Concerto.
Chromatic Fantasie and Fugue.

BACH-TAUSIG.
Toccata and Fugue in D minor.

BEETHOVEN.
Sonata, op. 27, No. 2.
Sonata, op. 53.
Sonata, op. 57.
Sonata, op. 81, A.
Sonata, op. 101.
Thirty-three variations, op. 120.
Concerto, No. 3 (complete, first movement with Reinecke Cadenza).
Thirty-two variations, C minor.

BRAHMS.
Zwei Rhapsodien, op. 79 (both).

CHOPIN.
Andante Spianato and Polonaise, op. 22.
Ballade in A flat, op. 47, and Berceuse, op. 57.
Ballade in G minor, op. 23.
Impromptu, op. 36, and Fantasie Impromptu, op. 66.
Etudes, op. 10, Nos. 6 and 12.
Etudes, op. 25, Nos. 1, 2, 3 and 9. Scherzo, op. 31.
Concerto, op. 11, in E minor, Allegro Maestoso.
Concerto, op. 11, in E minor. 2nd and 3rd movements.

DUPONT, A.
Toccata de Concert, op. 36.

DVORAK, A.
Poetische Stimmungsbilder, op. 85.

GRIEG.
Ballade, op. 24.
Concerto, op. 16.
Sonata in E minor, op. 7.

HENSELT.
Concert Variations, E major, op. 1.

HILLER.
Concerto F sharp minor.

LISZT.
Concerto in A major.
Concerto in E flat.
Tarantella.
Venezia e Napoli.
Rhapsodies Hongroises, No. 2. No. 11.
Tannhäuser March (Wagner).
Isolde's Liebestod, and Cantique d'Amour.
Concert Etude in D flat, and Auf Flügeln des Gesanges (Mendelssohn).

MENDELSSOHN.
Variations Serieuses, op. 54.
Andante and Variations, op. 82.
Concerto in G minor.
Three Caprices, op. 33 (any two).
Scherzo e Capriccio.

MOSZKOWSKI.
Valse in A major, op. 17, No. 3, and Gondoliera, op. 11.
Valse in E major, op. 34. No. 1.
Caprice Espagnol, op. 37.
Concerto in E major (first movement).
Scherzo Valse, Boadbil.
Etude de Concert, op. 48, No. 1.
Pensées Fugitives, op. 66.

MOZART.
Concerto in D minor, complete, with Reinecke Cadenza to last movement.

PADEREWSKI, J.
Introduction and Toccata, op. 6.
Thème Varie, op. 16, No. 3.

PAGANINI-LISZT.
La Campanella.

RAFF.
Suite in E minor, op. 72.
Suite, G minor, op. 163.
Le Galop, op. 104.

RUBINSTEIN.
Staccato Etude. Concerto in D minor (any two movements).
Polonaise (Le Bal).

SAINT-SAENS.
Caprice in G (Alceste de Gluck).
Concerto in G minor (any two movements).
Variations sur un thème de Beethoven, op. 35.
Scherzo for two pianos (Primo), op. 87.

SCHUBERT.
Fantasie, op. 15. Wanderer Fantasie.

SCHUBERT-TAUSIG.
Marche Militaire.

SCHUMANN.
Papillons, op. 2.
Carnival, op. 9.
Faschingschwank aus Wien.
Toccata, op. 7.

SGAMBATI, G.
Vecchio Menuetto and Toccata, op. 18.

TSCHAIKOWSKI.
Concerto in B flat minor, first movement. Second and third movements.
Valse Caprice, op. 4.

TSCHAIKOWSKI-PAPST.
Concert Paraphrase on Eugen d'Onegin.

WEBBER.
Concertstück.

Technical Tests, Etc., in Higher Piano Examination.

Candidates must be prepared to play with accurate fingering, and from memory, the following tests:—

SCALES.—All major, minor and chromatic scales, legato and staccato, similar motion, with hands together. Major and minor scales, similar motion, separated by a third, a sixth and a tenth, compass four octaves. Major and harmonic, minor scales in contrary motion. Legato scales to be played, with and without accents, in quarter, eighth and sixteenth notes, staccato scales in quarter and eighth notes only.

♩ = 176, hands separately.

♩ = 138, hands together.

Chromatic scales,

♩ = 168, hands separately.

♩ = 126, hands together.

All major and harmonic minor scales in double thirds and double sixths, in quarter and eight notes, hands together.

♩ = 108.

CHORDS.—All major and minor common chords, solid and broken, with inversions, four note form; all dominant and diminished seventh chords, with inversions, solid and broken. Solid chords with arm strokes. Broken chords in quarter, eighth and sixteenth notes.

♩ = 132.

ARPEGGIOS.—Arpeggios formed of all the major and minor common chords, the dominant seventh and diminished seventh chords with inversions, through a compass of four octaves with hands separately, and with hands together, one octave apart.

♩ = 160, hands separately.

♩ = 138, hands together.

OCTAVES.—Major, minor and chromatic scales, in similar motion. The arm strokes and legato, in quarter and eight notes; wrist staccato in quarter, eighth and sixteenth notes.

♩ = 84.

TRANSPOSITION.—Candidates will be required to transpose at sight to any given key, a simple hymn tune.

SIGHT READING.—Candidates will be tested in sight playing.

PLAYING FROM A FIGURED BASS.—Candidates will be required to play at sight from a figured bass, adding three upper parts.

EAR TEST.—Candidates must be prepared to sing the major and minor scales, and any interval within the compass of the octave. If unable

to sing, the candidate must recognize the intervals when played on the piano by the examiner (the keyboard not to be seen by candidate).

SIGHT SINGING.—Candidates will be required to sing at sight a melody, major or minor, with various modulations and chromatic intervals.

Marks will be awarded under the following heads:—

Scales, chords, arpeggios, octaves.

Accurate observance of notation, rests, etc., and correctness of fingering.

Phrasing, accent, and interpretation.

Discretion in use of pedal.

Quality of touch, and variety and gradation of tone.

Choice of time and steadiness of tempo.

Musicianship as displayed in self-prepared number and in the examination work generally.

Memory playing.

Sight reading.

Sight singing.

Playing from a figured bass.

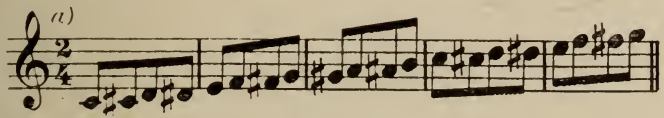
Transposition.

For particulars as to fees, see page 493.

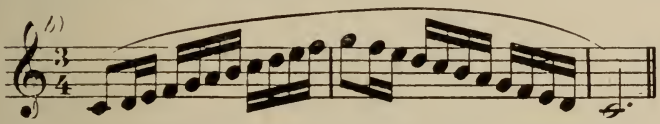
SINGING.

Before a diploma is granted candidates must pass the Junior and Senior Examinations (with honours) in the Theory of Music.

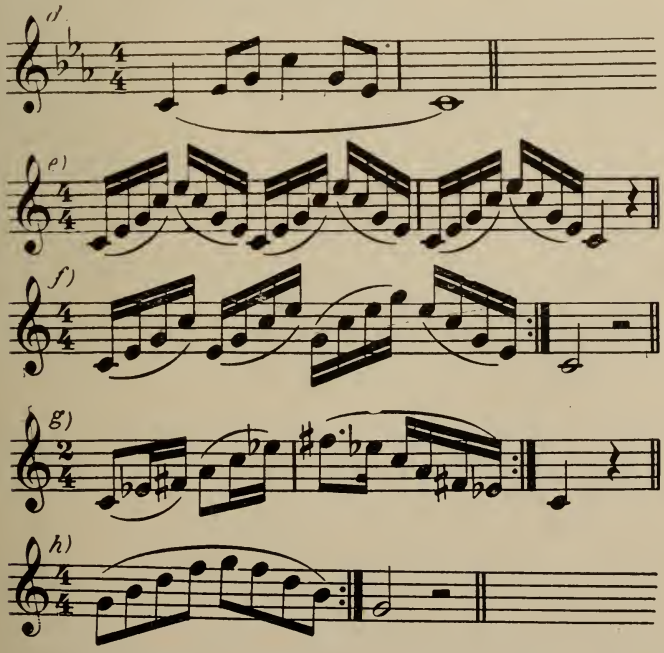
Candidates must be prepared, (1) To sing any major, minor (melodic and harmonic) and chromatic scale; also scale passages from a given keynote, thus:—



and *descending* in the same way.



(2) To sing arpeggios of the major and minor common chord and their inversion, and of the dominant and diminished sevenths from a given note. See the following examples:—



(All these examples may be transposed to suit the compass of the voice.)

(3) To sing any interval above or below a given note.

(4 To vocalize or sol-fa four studies of different character selected from the given lists: soprano or tenor, and contralto or bass.

(5) To sing four songs from the lists (*a*) and (*b*)—two from each list.

(6) To sing two selections from the oratorio and two from the operatic lists respectively.

(7) To sing two recitatives selected from groups (*a*) and (*b*)—one from each group.

(8) To sing, at sight, (1) an unaccompanied melody; (2) a portion of a song of moderate difficulty with accompaniment.

(9) To sing and play the accompaniment of any solo given in the list for the Junior Local Examinations in Singing, and previously prepared by the candidate.

Candidates must bring their own accompanists.

Candidates may transpose numbers to any key suitable to the voice.

All candidates have the option of singing the words of their solos either in the original language or in the English translation of the same, but credit will be given for efficiency in foreign languages.

For particulars as to fees, see page 493.

Marks will be awarded under the following heads:—

(1) Voice production.
(2) Accuracy as to tempo in the selected songs and studies.
(3) Management and control of breath.
(4) Time and rhythm.
(5) Correctness of intonation.
(6) Precision and neatness in attacking and leaving notes.
(7) Variety of tone, phrasing and expression.
(8) Style and correctness in recitative performance.
(9) Flexibility.
(10) Distinctness and correctness of pronunciation.
(11) Sight singing.
(12) Satisfactory rendering of the prepared song and the candidate's own accompaniment to the same.

SOPRANO AND MEZZO SOPRANO.

Songs.

(*a*) CHOPIN.
"The Birdling."
GRIEG.
"Sunshine Song." (Solvjegs Lied.)
"Hope."
LISZT.
"Loreley."
MASSENET.
"Enchantment."
SCHUBERT.
"Ave Maria."
SCHUMANN.
"He, the best of all, the noblest." (Er der herrlischste von allen.)

TSCHAIKOWSKI.
"Du heller Tag."
(*b*) BEMBERG.
"Nymphs and Fawns."
BERLIOZ.
"Absence."
BISHOP.
"Lo! Here the gentle Lark."
BRUCH.
"Ave Maria."
CHAMINADE.
"Summer."
MACCUNN, HAMISH.
"Fire of heaven, whose strong arrow."
MASSENET.
"Good Night."
PARKER, HORATIO.
"A Spinning Song."
ROGERS, J. H.
"Gather ye rose-buds:" "Dear when I gaze" (one number).
SOMERVELL.
"Go not happy Day."

Oratorio.

BENEDICT.
"I mourn as a Dove." (Saint Peter.)
HANDEL.
"So shall the Lute and Harp awake." (Judas Maccabaeus.)
HAYDN.
"With Verdure clad." (Creation.)
MENDELSSOHN.
"Hear Ye! Israel." (Elijah.)
RUBINSTEIN.
"Once more has Heaven." (Paradise Lost.)
SULLIVAN.
"Where have they laid Him?" (The Light of the World.)

Opera.

BENEDICT.
"I'm Alone." (Lily of Killarney.)
DAVID, F.
"Charmant Oiseau." (La Perle du Brésil.)
ROSSINI.
"Bel raggio." (Semiramide.)
THOMAS.
"Know'st thou the Land." (Mignon.)
"I am Titania." (Mignon.)
VERDI.
"Ave Maria." (Otello.)
WAGNER.
"Elsa's Dream." (Lohengrin.)

CONTRALTO.

Songs.

(*a*) BRAHMS.
"Sapphic Ode."
GRIEG.
"Outward Bound." (Ausfahrt.)
"Im Kahne."
HANDEL.
"Hymen, haste! thy torch prepare."
KJERULF.
"Longing."
LISZT.
"There was a King in Thule."
STANGE.
"The last Look." (Letzte Begegnung.)
SPOHR.
"Rose, softly blooming."
(*b*) ALLITSEN.
"Katherine."
CHAMINADE.
"Spanish Love-Song."
COENEN.
"True Love."

DE PINNA.
"Gaily chant the Summer Birds."
ELGAR.
"Sea Slumber-Song."
KELLIE, LAWRENCE.
"The Boy and the Brook."
LIDDLE.
"Abide with me."
MASCHERONI.
"Hasten to me."
"Serenata Veneziana."
MATTEI.
"My native Land."
WAGNER.
"Slumber, sweet Child."

Oratorio.

HANDEL.
"In the battle, fame pursuing." (Deborah.)
"He was despised." (Messiah.)
"O thou that tellest good tidings to Zion." (Messiah.)
PARRY, C. H.
"The Lord is long suffering." (Judith.)

Opera.

FLOTOW.
"Esser mesto." (Marta.)
GOUNOD.
"Nuit resplendissante." (Original edition.)
GLUCK.
"Vieni che poi sereno." (Semiramis.)
"Divinités du Styx." (Alceste.)
MEYERBEER.
"Lieta Signor." (Gli Ugonotti.)
ROSSI.
"Ah! Rendimi."
ROSSINI.
"Tu che accendi queste core—Di tanti palpiti." (Tancredi.)

TENOR.

Songs.

(*a*) BRAHMS.
"Minnelied."
COLERIDGE-TAYLOR.
"Onaway, Awake! Beloved." (Hiawatha.)
GRIEG.
"Thanks for thy Hand." (Dein Rath ist wohl gut.)
RAFF.
"Riccio's last Song."
SCHUMANN.
"The Hidalgo."
TSCHAIKOWSKI.
"Warum sind denn die Rosen so blass?"
VON FIELITZ.
"O! Irmingarde." (Heimliche Grüsse.)
(*b*) BLUMENTHAL.
"The Message."
CHAMINADE.
"The Bird's Noel."
COWEN.
"Love me if I live."
PINSUTI.
"The Last Watch."
STANFORD.
"A Message to Phillis."
STANGE.
"Favoring Breeze." (Frische Brise.)

Oratorio.

BACH.
"Haste, ye Shepherds." (Christmas Oratorio.)
HANDEL.
"The Enemy said." (Israel in Egypt.)
"Total Eclipse." (Samson.)
HAYDN.
"The Traveller stands perplexed." (The Seasons.)
MENDELSSOHN.
"Be thou faithful." (S. Paul.)
SULLIVAN.
"Refrain thy Voice from weeping." (The Light of the World.)

Opera.

BELLINI.
"Still so gently o'er me stealing." (La Somnambula.)
BIZET.
"La Fleur que tu m'avais jetée." (Carmen.)
DONIZETTI.
"Spirto gentil." (La Favorita.)
MACKENZIE.
"How often have I sat." (Collomba.)
MASCAGNI.
"Siciliana." (Cavelleria Rusticana.)
THOMAS.
"O Vision entrancing." (Esmeralda.)
VERDI.
"Celeste Aida." (Aida.)
WAGNER.
"In fernem Land." (Lohengrin.)

BARITONE AND BASS.

Songs.

(*a*) BRAHMS.
"An dem Mond."
CARISSIMI.
"Victorious my heart is." (Vittoria! mio core.)
HANDEL.
"O Ruddier than the Cherry;" "I rage, I melt, I burn" (one number.
LOEWE.
"The Bellringer's Daughter." (Des Glockenthurmers Töchterlein.)
MENDELSSOHN.
"I'm a Roamer."
SCHUBERT.
"The Wanderer."
"The Erl King."
STRAUSS.
"Die Nacht."
(*b*) ALLITSEN.
"King Duncan's Daughter." (Die Botschaft.)
BENNETT.
"'Tis jolly to hunt." (May Queen.)
CALLCOTT.
"Friend of the Brave."
CHAMINADE.
"La Rendezvous."
ELLIOTT.
"To the Clouds."
GOUNOD.
"The Valley."
KING, O.
"Israfel."
MATTEI.
"O! Hear the wild Winds blow."

Oratorio.

BACH.
"Mighty Lord and King all glorious." (Christmas Oratorio.)
BARNBY.
"O Lord God." (Rebekah.)

COSTA.
"Arise O Lord." (Naaman.)
HANDEL.
"The Lord worketh wonders." (Judas Maccabaeus.)
MACKENZIE.
"Unto my Charger." (The Rose of Sharon.)
MENDELSSOHN.
"It is enough." (Elijah.)

Opera.

BIZET.
"O Nair." (Les Pêcheurs des Perles.)
GOUNOD.
"She alone charmeth my Sadness." (La Reine de Saba.)
MASSENET.
"Vision fugitive." (Herodiade.)
MOZART.
"Deh vieni." (Don Giovanni.)
SULLIVAN.
"Woo, thou, thy Snowflake." (Ivanhoe.)
VERDI.
"Il balen." (Il Trovatore.)
WAGNER.
"Wie Todesahnung."
"O du mein holder Abendstern." (Tannhäuser.)

Studies.

SOPRANO OR TENOR.

PANSERON.
25 Vocalises. Nos. 6, 8, or 19.
CONCONE.
15 Vocalises. 4, 5 or 6.
CONCONE.
50 Lessons for Soprano, 36, 39 or 50.

CONTRALTO OR BASS.

PANSERON.
42 Vocal Exercises for Contralto, Baritone or Bass, Nos. 8, 13, 20, 25 or 27.
CONCONE.
40 Lessons for Contralto, Nos. 20, 23, 29, 37 or 40.

Recitative.

SOPRANO.

(*a*) HANDEL.
"No more in Zion." (Judas Maccabeaus.)
HANDEL.
"Oh, Worse Than Death." (Theodora.)
HANDEL.
"'Twas at the royal Feast." (Alexander's Feast.)
(*b*) BEETHOVEN.
"Thou monstrous Fiend." (Abscheulicher.) (Finale, Act I., Fidelio.)
VERDI.
"Vanne lasciami." (Il Trovatore. Act IV.)
WEBER.
"Ocean thou mighty monster." (Oberon.)

CONTRALTO.

(*a*) HANDEL.
"See, she blushing turns her Eyes." (Semele.)
HANDEL.
"Great Prophetess, my Soul's on fire." (Deborah.)

HANDEL.
"Armida, dispietata." (Rinaldo.)
(*b*) MERCADANTE.
"Ah! s'estinto." (Donna Caritea.)
ROSSINI.
"Eccomi alfine." (Semiramide.)

TENOR.

(*a*) HANDEL.
"Comfort ye." (Messiah.)
HANDEL.
"Tyrannic Love." (Susanna.)

(*b*) BRAGA.
"Bella del suo sorriso." (Reginella.)
VERDI.
"De'miei bollenti Spiriti." (La Traviata.)

BARITONE AND BASS.

(*a*) HANDEL.
"I'll hear no more." (Esther.)
HANDEL.
"Thus saith the Lord." (Messiah.)

(*b*) VERDI.
"Pari siamo." (Rigoletto.) The first portion only, in the key of F, Act I., Scene 7.
VERDI.
"All here is silent."
"Tace la Notte. (Il Trovatore.)

ORGAN.

NOTE.—Before a diploma is granted all candidates must pass the University *Junior* and *Senior* Local Examinations (with honours) in the Theory of Music, and the Senior Local Examination in Piano Playing.

Candidates must be prepared to play ten pieces selected from the following list, one of which must be by Bach, one by Mendelssohn, one by Guilmant, one by Rheinberger, and one by Widor, the candidate being allowed freedom of choice in the remaining five numbers. One number must be prepared without assistance:—

BACH, J. S.
- Passacaglia, C minor, (Vol. I., No. 7, Peters).
- Fugue (The Great), in G minor, (Vol. II., No. 4, Peters).
- (Vol. II., No. 9, Peters).
- Prelude and Fugue in E minor,
- Toccata in F (Vol. III., No. 2, Peters).
- Toccata and Fugue in D minor (Vol. IV., No. 4, Peters).
- Prelude and Fugue in A minor (Vol. II., No. 8, Peters).

BEST, W.
- Fantasie and Fugue in E (Augener).

BOELLMANN.
- Suite Gothique.

BUXTEHUDE.
- Fantasia, Prelude and Fugue (Cranz).

ELGAR, E.
- Triumphal March, op. 7, from "Caractacus," Lemare Recital Series.

FINCK.
- Fest Praeludium, op. 63.
- Sonata, E flat, op. 6.

GIGOUT.
- Grand Choeur Dialogue.

GUILMANT.
- Sonatas, Nos. 1, 5 and 6 (any one).
- Marche Funèbre and Chant Séraphique.
- Finale from Grand Choeur in E flat.
- Caprice in B flat, op. 20.

HANDEL.
- Concerto No. 2, in B flat (first set).

HESSE.
- Toccata in A flat, op. 85 (Augener).

HOLLINS.
- Concert Overture in C minor.

LEMMENS.
- Ite Missa Est, (Ecole d'Orgue).
- Fantasia in E minor. (The Storm).
- Sonata Pontificale.

LUX.
- Fantasia de Concert, (O Sanctissima).

MENDELSSOHN.
- Sonatas, Nos. 1 and 6 (either).

MEYERBEER-BEST.
- Schiller Festival March.

MERKEL, G.
- Fantasia and Fugue, op. 109.
- Sonata in D minor, op. 118.
- Sonata in A minor, op. 183.
- Sonata in G minor, op. 42.

PIUTTI, C.
- Prelude and Fugue, op. 16.

RAFF, J.
- Introduction and Fugue, E minor (Augener).

RHEINBERGER.
- Pastoral Sonata, op. 88.
- Sonata in A minor, op. 98.
- Sonata in E flat, op. 119.
- Sonata in F, op. 127.

ROSSINI-BUCK.
- Overture to William Tell.

SAINT-SAENS.
- Three Rhapsodies.
- Fantasia, E flat.

SALOME, TH.
- Sonata, C minor, op. 25.

SMART.
Fantasia with Chorale in G.
THIELE.
Concert Satz in E flat.
Chromatic Fantasia and Fugue.
WAGNER-DUBOIS.
Introduction to Third Act of Lohengrin. (Schirmer March Album).
WEBER-WARREN.
Overture to Oberon.
WIDOR.
Toccata from Fifth Organ Symphony with any other single movement; Minuet and Finale, Third Organ Symphony.

Candidates must be prepared to modulate from one key to another; to harmonize a given melody, to play at sight an organ piece; to transpose at sight a given hymn tune or chorale; to read at sight vocal score of four parts; to add three parts to a given figured bass; to extemporize upon a given theme; to sing at sight a given melody, and to answer questions in organ construction, tuning, pitch and quality of stops.

Marks will be awarded under the following headings:—

Accuracy as to notes, rests, etc.
Independence of action between hands and feet.
Touch—legato, clear part-playing, etc.
Choice of management of stops.
Phrasing.
Strictness and choice of tempo.
Modulation.
Harmonizing a given melody.
Sight reading.
Sight reading in vocal score.
Transposition.
Harmonizing a given figured bass at sight.
Sight singing.
Questions on organ construction, etc.

For particulars as to fees, see page 493.

VIOLIN.

Candidates must bring their own accompanists.

Before a diploma is granted all candidates must pass the University *Junior* and *Senior* Examination (with honours) in the Theory of Music, and must also pass the Primary Piano Examination.

Candidates will be required to prepare eight pieces chosen from the following list, one piece being selected from each one of the 1st, 2nd, 4th, 5th and 6th groups, and three pieces from group 3.

Pieces.

Group No. 1:—

WIENIAWSKI.
2nd Concerto.
LIPINSKY.
Concert Militair.
VIEUXTEMPS.
Concertos (any one).
PAGANINI.
Concerto in E flat.
ERNST.
Concerto in F sharp minor.

Group No. 2:—

MENDELSSOHN.
Concerto.
BRUCH.
Concerto in G minor.
BEETHOVEN.
Concerto.
GODARD.
Concerto in A minor.
BRUCH.
Scottish Fantasie.
SPOHR.
Concertos Nos. 2, 7, 8, 9, 11 (any one).

Group No. 3:—

SARASATE.
Spanish Dances.
SARASATE.
Zigeuner Weisen.
WIENIAWSKI.
Airs Russes.
WIENIAWSKI.
Polonaises (either one).
SAINT-SAENS.
Rondo capriccioso.
BRAHMS-JOACHIM.
Hungarian Dances (any one).
PAGANINI.
Compositions.
DAVID.
Scherzo capriccioso.
MUSIN.
Mazurkas (either one).
BAZZINI.
La Rondo de Lutins.
GUIRAUD.
Caprice.
HUBAY.
The Zephyr.

Group No. 4:—

CHOPIN-SARASATE.
Nocturne in E flat.
CHOPIN-WILHELMJ.
Nocturne, op. 27, No. 2.
WAGNER-WILHELMJ.
Siegfried Paraphrase.

Group No. 5:—

BACH.
Sonatas for Solo Violin, Nos. 1, 3, 4, 5 (any one).
TARTINI.
Le Trille de Diable.

Group No. 6:—

BACH.
Sonatas Nos. 3, 6, 7, 8, 9, 10, (any one).
BEETHOVEN.
Sonatas for Piano and Violin (any one).

Sonatas by *Schumann, Grieg, Rubinstein, Rheinberger, Schuett, Sinding* or *Brahms* (any one sonata).

Sight Reading.

Candidates will be required to play at sight, three movements of different character and of moderate difficulty.

Marks will be awarded under the following heads:—

Tone, quality and volume.
Technique, left hand.
Technique, bowing.
Individuality, style and natural qualifications.
Interpretation, phrasing, tempi, etc.
Sight reading.
Memory.

For particulars as to fees, see page 493.

Fees for Higher Examinations for Diploma of Licentiate in Music, University of Toronto.

NOTE.—Candidates' names (on the proper forms of application) must be in the hands of the Registrar of the University on or before May 9th, 1908. No applications will be received after this date.

Candidates who, after paying the required fees, do not present themselves, or who fail to pass, may, upon presenting a valid excuse, be allowed the privilege of entering upon the succeeding examination on payment of half the regular fee. The fee for diploma will be returned to unsuccessful candidates.

Fee for examination	$20.00
Diploma	5.00

CURRICULUM IN MUSIC.

Degree of Bachelor of Music.

The Degree of Bachelor of Music (Mus. Bac.) will be conferred by the University of Toronto upon students of Music, on compliance with the requirements of the curriculum in Music which may from time to time be prescribed by the Senate.

Matriculation.

The candidate for the degree of Bachelor of Music must pass the following examination of the University for a certificate of proficiency in general education:—

1. ENGLISH.

GRAMMAR AND RHETORIC: The main facts in the development of the language. Etymology and syntax, including the logical structure of the sentence and the inflection, classification and elementary analysis of words. The rhetorical structure of the sentence and paragraph.

One examination paper.

COMPOSITION: An essay, to which special importance will be attached, on one of several themes set by the examiners.

One examination paper.

LITERATURE: The candidate will be expected to have memorized some of the finest passages. Besides questions to test the candidate's familiarity with, and comprehension of, the following selections, questions may also be set to determine within reasonable limits his power of appreciating literary art.

One examination paper.

1908: TENNYSON: The Poet, The Lady of Shalott, Oenone, The Epic and Morte d'Arthur, St. Agnes' Eve, The Voyage, "Break, break, break," In the Valley of the Cauteretz; BROWNING: My Last Duchess, "How they brought the good news from Ghent to Aix," Love Among the Ruins, Home Thoughts from Abroad, Up at a Villa, Andrea del Sarto, The Guardian Angel, Prospice, An Epistle of Karshish, Cavalier Tunes; SHAKESPEARE: Macbeth.

1909: COLERIDGE: The Ancient Mariner; WORDSWORTH: Michael, Influence of Natural Objects, Nutting, Expostulation and Reply, The Tables Turned, The Solitary Reaper, Ode to Duty, Elegiac Stanzas, To the Rev. Dr. Wordsworth, "She was a Phantom of Delight," To the Cuckoo, The Green Linnet, "Bright Flower! whose home," To a Skylark ("Ethereal minstrel! pilgrim of the sky"), Reverie of Poor Susan, To my Sister, "Three years she grew in sun and shade," September, 1819, Upon the same Occasion, and the following twelve sonnets: "Two

Voices are there," "A flock of sheep that leisurely," "Earth hath not anything," "It is not to be thought of," "Fair Star of Evening," "O friend! I know not," "Milton! thou should'st," "When I have borne in memory," "Brook! whose society," "Scorn not the sonnet," "Tax not the royal Saint," "They dreamt not of a perishable home"; SHAKESPEARE: Merchant of Venice.

1910: TENNYSON: Ode to Memory, The Dying Swan, The Lotus Eaters, Ulysses, "You ask me why," "Of old sat Freedom," "Love thou thy land," "Tears, idle tears," and the six interlude songs from the Princess, The Brook, Ode on the Duke of Wellington, Charge of the Light Brigade, Enoch Arden. SHAKESPEARE: Julius Cæsar.

II. ARITHMETIC.

ARITHMETIC: Elementary rules, fractions (vulgar and decimal), contracted methods of computation, square root, interest, discount, commission, insurance, stocks and exchange.

MENSURATION: The rectangle, the parallelogram, the triangle, the circle, the parallelopiped, the prism, and the cylinder.

One examination paper.

NOTE.—The problems proposed at this examination will be simple and direct, and in their solution neatness and accuracy will be insisted on.

III. One of the following languages:—

1. GREEK.

Translation into English of passages from prescribed texts.

Translation at sight (with the aid of vocabularies) of easy Attic prose, to which special importance will be attached.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation from English into Greek of phrases and of sentences to illustrate Greek accidence and the common rules of Greek syntax.

The following are the prescribed texts:—

1908: XENOPHON: Selections in White's First Greek Book, with the exercises thereon; HERODOTUS: Tales, ed. Farnell, I.-XI. inclusive.

1909 and 1910: XENOPHON: Selections in White's First Greek Book, with the exercises thereon; HERODOTUS: Tales, ed. Farnell, XI.-XX. inclusive.

Two papers will be set: (1) Prescribed texts and questions on grammar; (2) The translation of English into Greek, and sight translation.

2. LATIN.

1908, 1909 and 1910: Translation at sight of passages of average difficulty from Cæsar, upon which special stress will be laid.

Translation from a prescribed portion of Virgil's Æneid, with questions thereon.

Questions on Latin accidence.

Translation into Latin of English sentences to illustrate the common rules of Latin syntax, upon which special stress will be laid. The vocabulary will be taken from the prescribed portion of Cæsar.

Examination upon a short prescribed portion of Cæsar, to test the candidate's knowledge of Latin syntax and his power of idiomatic translation.

The following are the texts prescribed:—

CÆSAR: Bellum Gallicum, Book IV., chaps. 20-38, and Book V., chaps. 1-23.

VIRGIL: Æneid, Book II., vv. 1-505.

Two papers will be set: (1) Translation at sight, Virgil, and accidence; (2) Translation into Latin, syntax, and idiomatic translation from prescribed Cæsar, etc.

3. FRENCH.

The candidate's knowledge of French will be tested by: (1) simple questions on grammar, (2) the translation of simple passages from English into French, (3) translation at sight of easy passages from modern French, and (4) an examination on the following texts:—

LEMENNAIS, Paroles d'un croyant, Chaps. VII. and XVII.; PERRAULT, le Maître Chat ou le Chat Botté; DUMAS, Un nez gelè and le Pipe de Jean Bart; ALPHONSE DAUDET, la Dernière classe, and la Chèvre de M. Seguin; LEGOUVÉ, la Patte de dindon; POUVILLON, Hortibus; LOTI, Chagrin d'un vieux forçat; MOLIÈRE, l'Avare, Acte III., sc. 5 (Est-ce à votre cocher . . .sous la mienne); VICTOR HUGO, Waterloo, Chap. IX.; ROUGET DE L'ISLE, la Marseillaise; ARNAULT, la Feuille; CHATEAUBRIAND, l'Exilé; THÉOPHILE GAUTIER, la Chimère; VICTOR HUGO, Extase; LAMARTINE, l'Automne; DE MUSSET, Tristesse; SULLY PRUDHOMME, le Vase brisé; LA FONTAINE, le Chêne et le Roseau.

1908: MEILHAC ET HALÉVY, l'Eté de la Saint-Martin.

1909: LABICHE, le Voyage de Monsieur Perrichon.

1910: SCRIBE, le Verre d'eau.

Two papers will be set: (1) Prescribed texts and translation at sight; questions on grammar; (2) the translation of English into French.

4. GERMAN.

The candidate's knowledge of German will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into German; (3) translation at sight of easy passages from modern German, and (4) an examination on the texts contained in the High School German Reader.

1908: LEANDER, Träumereien, pp. 45-90 (selected by Van Daell).

1909: BAUMBACH, Waldnovellen.

1910: HAUFF, Das Kalte Herz.

Two papers will be set: (1) Prescribed texts and translation at sight; questions on grammar; (2) the translation of English into German.

5. ITALIAN.

Elementary grammar (Grandgent's Grammar and the Italian Principia recommended); translation into Italian of short English sentences; and an examination on the following text:—

1908, 1909 and 1910: DE AMICIS, Cuore (I racconti mensili).

In lieu of the above a certificate of having passed the Form II. examination of the Education Department of Ontario or any subsequent examination in a High School, or Matriculation in Arts in any University in His Majesty's dominions, including one of the languages, Greek, Latin, French, German, Italian, will be accepted.

Certificates of having passed Part I. of Junior Matriculation will be accepted *pro tanto* for Matriculation in Music.

Candidates at the Junior Leaving or Junior Matriculation examination who obtain the necessary percentage in the subjects required for Matriculation in Music may, on petition to the Senate, be granted Matriculation in Music.

Special applications for Matriculation may be dealt with by the Senate.

The Senate may in the case of Musicians of established reputation who apply for standing in the Faculty of Music, dispense with the Matriculation examination.

BACHELOR OF MUSIC.

Undergraduate Course.

In addition to Matriculation the candidate must have passed three examinations before the degree of Bachelor of Music shall be granted.

First Year.

1. Harmony in three and four parts.
2. Counterpoint in two and three parts.
3. Musical History up to 1750.

Second Year.

1. Harmony in not more than four parts.
2. Strict Counterpoint (including the treatment of the various species in combination) in not more than four parts.
3. Double Counterpoint at the octave, in two parts.
4. Canon in two parts.
5. Fugue as far as subject and answer.
6. History of Music from 1750 to the present time.

Final Year.

THEORY OF MUSIC:—

1. Harmony in not more than five parts, including some original work.
2. Counterpoint, strict and free, in not more than five parts.
3. Canon in two and three parts.
4. Double Counterpoint at the octave, 10th, 12th, and 15th.
5. Imitation and Fugue up to four parts.
6. A general review of the History of Music from the earliest period to the present time.
7. Elements of Acoustics.
8. Musical form.
9. Orchestration.
10. Viva voce:—Analysis of the full orchestral score of some classical work or works.

1908: Brahms' Symphony No. 2 in D.

PRACTICAL MUSIC:—

Candidates shall be required to play—on the piano or some orchestral instrument—or sing:—

Two or three compositions (or portions of them), selected by the examiner.

They shall also be required to play, at the key board, the following tests, etc.:—

1. Transposition.
2. Extemporization upon a given theme.
3. Modulation.

Equivalent tests will be imposed for singers or players upon orchestral instruments.

In addition to the prescribed course for the Final examination, an original composition, either sacred or secular, will be required, containing at least four movements and sufficiently long to occupy from fifteen to twenty minutes in performance, and must be

(*a*) A chorus in five parts, with a short instrumental introduction.

(*b*) A recitative and solo.

(*c*) A quartette or quintette for voices only.

(*d*) A four part vocal fugue.

Numbers (*a*), (*b*) and (*d*) must have accompaniments for string band only.

This composition must be sent to the Registrar not later than May 1st.

Candidates for the degree may defer presenting this composition until a subsequent annual examination, in which case the fee for examination shall be $10.

A certificate of having passed the examinations of the First and Second Years of the affiliated College of Music or Conservatory of Music will be accepted *pro tanto* in lieu of the First Year examination.

The examination for the diploma of the affiliated College of Music or Conservatory of Music will be accepted *pro tanto* in lieu of the First and Second Year examination.

The Senate may admit *ad eundem statum* undergraduates of other Universities after due enquiry as to the requirements demanded by the institutions in which the candidates obtained their standing.

Musicians of established reputation may be admitted to the degree of Bachelor of Music upon their submitting for the approval of the University examiner or examiners an original composition, consisting of any one of the following:—

1. An oratorio.
2. A cantata.
3. Symphony.
4. An extended piece of Chamber Music.

Examinations.

The examinations will take place at times to be fixed by the Senate.

Applications must be transmitted to the Registrar at times to be fixed by the Senate, and at the time of application the proper fee must be paid to the Bursar.

FEES.

Matriculation	$10.00
Each examination subsequent to matriculation	10.00
For admission *ad eundem statum*	10.00
Degree of Mus. Bac.	20.00

TEXTBOOKS.

Stainer's Treatise of Harmony; Prout's Harmony; Hiles' Grammar of Music, Books I. and II.; Bannister's Music; Bridge's Primer of Counterpoint; Prout's Counterpoint; Richter's Counterpoint (Franklin Taylor's edition); Cherubini's Counterpoint, Canon and Fugue; Prout's Double Counterpoint and Canon; Judassohn's Canon and Fugue; Higgs' Primer of Fugue; Prout's Fugue; Stainer's Primer of Composition; Prout's Musical Form; Ouseley's Musical Form; Prout's Fugal Analysis; Prout's Primer of Instrumentation; Niemann's Catechism of Musical Instruments; Berlioz on Instrumentation; Stone's Primer on Scientific Basis of Music; Sedley Taylor's Sound and Music; Sedley Taylor's Science of Music; Tyndall on Sound; Bonavia Hunt's History of Music; Naumann's History of Music; Parry's Summary of Musical History (Primer); Rockstro's History of Music; Articles in Grove's Dictionary of Music and Musicians bearing on the various subjects for examination.

Candidates are not restricted to the above list, which is only suggested. The paper work is judged irrespective of any particular author or school.

Degree of Doctor of Music.

Candidates for the degree of Doctor of Music must be Bachelors of Music of at least three years' standing.

Candidates must present a musical exercise by the 1st day of April for submission to the examiners in Music, the approval of which is a necessary preliminary to further examination.

The exercise must be of the nature of a Cantata sacred or secular, scored for full orchestra, and requiring from 40 to 60 minutes for its performance. The cantata must include an overture and parts for one or more solo voices, in addition to choruses.

If the exercise be approved the candidate must undergo an examination of a more advanced character than is involved in the Mus. Bac. examination in Harmony, Counterpoint, Fugue, Musical Form, Orchestration, and Musical History.

The fee for the examination is fifty dollars.

The fee for the degree is thirty dollars.

The examinations will take place at times to be fixed by the Senate.

Applications must be transmitted to the Registrar at times to be fixed by the Senate, and at the time of application the proper fee must be paid to the Bursar.

CURRICULUM IN PEDAGOGY.

Degree of Bachelor of Pedagogy.

The degree of Bachelor of Pedagogy (B. Pæd.) is granted under the following conditions and regulations:—

1. The candidate shall hold (*a*) a degree in Arts, not being an honorary degree from a University in the British Dominions; and (*b*) a permanent first class or High School assistant's certificate, granted by the Education Department of Ontario.

2. The candidate shall pass an examination in the History and Principles of Psychology and Ethics, with their applications to Pedagogy; the Science of Education; and the History and Criticism of Educational Systems.

3. The candidate shall submit certificates of successful experience in teaching, satisfactory to the Senate.

4. The examination shall be held in May at the University of Toronto, or in any other locality in the Province chosen by the candidate and approved by the Senate, and under a presiding examiner appointed by the Senate, provided the candidate or candidates thereat defray the cost of the local examination. The candidate shall send notice to the Registrar of the University, not later than the first of April, of the locality he has chosen.

5. The fee for the examination shall be twenty dollars; and, for the degree, ten dollars. Both fees shall be paid to the Bursar not later than the first day of April.

6. The following text books are recommended:—

A. History of Psychology and Ethics.

I. *Ancient.*

Muirhead, Chapters from Aristotle's Ethics.

Plato, Theætetus (Dyde).

Bosanquet, Education of the Young in the Republic of Plato.

Nettleship's Article on Plato's Theory of Education in the Hellenica, and Windelband, History of Ancient Philosophy may also be consulted.

II. *Modern.*

J. S. Mill, Examination of Hamilton and Utilitarianism.

Herbert Spencer, Principles of Psychology.

Höffding, History of Modern Philosophy, Vol. II.; Sidgwick, History of Ethics, and Watson, Hedonistic Theories, may also be consulted.

B. Principles of Psychology and Ethics.

Wundt, Outlines of Psychology.
Titchener, Primer of Psychology.
Wundt, Human and Animal Psychology (translated by Titchener and Creighton).
Tracy, Psychology of Childhood (6th edition).
McKenzie, Manual of Ethics.
Bosanquet, Psychology of the Moral Self.
Watson, Outlines of Philosophy.
Stout, Manual of Psychology, *or* Külpe, Outlines of Psychology.

C. The Science of Education and the History of Educational Systems.

McLellan, Psychology of Number.
Tompkin, Philosophy of Teaching.
McLellan, Applied Psychology.
Locke, Conduct of the Undertaking.
Compayré, Lectures on Pedagogy.
Laurie, Pre-Christian Education.
Laurie, Comenius.
Davidson, History of Education.
Davidson, Ancient Educational Ideas.
Munro, Educational Ideals.
Bowen, Frœbel and Education by Self-Activity.
Guyau, Education and Heredity.
Fouillée, Education from a National Standpoint.
Herbert Spencer, Education.
Sinclair, Science of Education.

Degree of Doctor of Pedagogy.

The degree of Doctor of Pedagogy (D. Pæd.) is granted under the following conditions and regulations:—

1. The candidate shall hold (*a*) a degree in Arts, not being an honorary degree, from a University in the British Dominions, (i) with honours in a department, or (ii) with a certificate as School Inspector *or* permanent certificate as specialist, granted by the Education Department of Ontario; and (*b*) the degree of Bachelor of Pedagogy from this University, *or* at least seven years' successful experience as teacher or school inspector in Ontario.

2. The candidate shall pass an examination in the History and Principles of Psychology and Ethics, with their application to Pedagogy; the Science of Education; and the History and Criticism of Educational Systems, with special reference to the nineteenth century.

3. The candidate shall submit certificates of successful experience as a teacher or school inspector, satisfactory to the Senate.

He shall also submit through the University Registrar, on or before the first day in May of the year in which he presents himself for examination, a thesis on some pedagogical topic, embodying the results of original investigation conducted by himself. After the examiners have reported in favour of his answer papers and his thesis, he shall, on the requisition of the Registrar, furnish him with one hundred printed copies of the thesis on or before the first day of October of the same year. The printed thesis shall contain the report of the examiners, which will be furnished to the candidate by the Registrar.

4. The examination shall be held at the same time and under the same condition as the examination for the degree of Bachelor of Pedagogy. The fee for the examination shall be forty dollars; and, for the degree, ten dollars. Both fees shall be forwarded by the candidate to the Bursar of the University not later than the first day of April, with his application and his certificates of successful experience.

5. The following textbooks are recommended:—

A. PSYCHOLOGY AND ETHICS.

I. Ladd, Elements of Physiological Psychology.

Sanford, Laboratory course in Experimental Psychology.

James, Principles of Psychology.

Ward, "Psychology" in Encyclopædia Britannica.

Stout, Analytical Psychology *or* Titchener, Experimental Psychology (students' edition).

Green, Prolegomena to Ethics.

Bosanquet, Philosophical Theory of the State.

Candidates who present a certificate of at least one year's successful work in the Psychological laboratory of the University of Toronto will be exempt from the examination in Psychology prescribed in this section.

II. The candidate shall take in addition *either* the Ancient or the Modern section, as follows:—

(*a*) *Ancient.*

Plato, Republic.

Aristotle, Nicomachean Ethics.

(*b*) *Modern.*

Descartes, Method and Meditations (Veitch).

Leibnitz, Monodology (Latta).

The Philosophy of Kant; The Critique of Pure Reason (Max Müller's Translation) and Watson's Selections.

Caird, Articles on Cartesianism in his Essays in Literature and Philosophy; Watson, Outlines of Philosophy; Dewey, Leibnitz (Grigg series) and Höffding, History of Modern Philosophy, may also be consulted.

B. THE SCIENCE OF EDUCATION AND THE HISTORY AND CRITICISM OF EDUCATIONAL SYSTEMS.

Harris, Psychological Foundations of Education.
Rosenkrantz, Philosophy of Education.
Laurie, Institutes of Education.
Bacon, Advancement of Learning.
Pestalozzi, Leonard and Gertrude (Channing).
Frœbel, Education of Man (Hailman).
Davidson, Education of the Greek People.
De Garmo, Herbart and the Herbartians.
Sir J. G. Fitch, Thomas and Matthew Arnold.
J. E. Russell, The German Higher Schools.
Balfour, Educational Systems of Great Britain and Ireland.
Rousseau, Emile.
Hinsdale, Horace Mann.
Dewey, School and Society.
Compayré, History of Pedagogy.
The chief recent Educational Reports.

At the examination for degrees in Pedagogy the standard shall be as follows:

(1) For Pass, forty per cent. of the marks assigned to each paper.

(2) For Second Class Honours, sixty per cent. of the total marks for all the papers.

(3) For First Class Honours, eighty per cent. of the total of the marks for all the papers.

DIPLOMA IN COMMERCE.

CURRICULUM.

Entrance.

Candidates may enter this course who have passed an examination in English, Modern History and Geography, Mathematics and any two Modern Languages.

The papers of this examination and the standing required shall be those of the Junior Matriculation.

First Year.

1. English of the First Year.
2. Any two of the four Modern Languages, viz.: French, German, Spanish, Italian.
3. First Course in Actuarial work.
4. Elementary Inorganic Chemistry of the First Year.
5. Elementary Physics of the First Year.
6. Elementary Economics of the Second Year—Honours.
7. Drawing (optional).

Second Year.

1. English of the Second Year with two instead of four compositions.
2. Any two Modern Languages of the Second Year with exercises in commercial literature.
3. Economics:—
   (*a*) Economic Geography, Economic History,
   (*b*) Banking, Public Finance.
   (*c*) Transportation,
   with four compositions.
4. Commercial Law.
5. Geology and Mineralogy of the Second Year, *or* Applied Chemistry. *or* History and Principles of Architecture, *or* Electricity with laboratory work *or* Mechanical Drawing.

Diploma.

The diploma in Commerce will be awarded to those candidates who have attended in the University of Toronto the lectures in the subjects of the First and Second Years as specified above, and who have passed the prescribed examinations.

INFORMATION FOR STUDENTS.

Objects of the Course.

The course in Commerce, established in 1901, is intended to supply facilities for the training of young men who purpose entering upon a business career, especially for those who desire to turn their attention to domestic and foreign commerce, banking, or those branches of the public service, *e.g.*, trade consularships, in which a knowledge of business is essential; it is designed also to provide instruction for those preparing themselves for positions as commercial masters. The course has been limited to two years of study in order to meet the requirements of students who cannot spend a longer time in preparation. Such students as are able to complete a four years' course of study will find in the Arts course in Political Science a curriculum corresponding in some important respects with that prescribed for the diploma in Commerce, Hours of lectures are arranged to suit the convenience of the majority of students in the course.

Requirements for Admission.

The entrance examination is identical with that for Junior Matriculation, with the omission of Latin. All students are recommended to pass this examination, but any student presenting himself will be admitted to the course, and if successful in passing the examinations at the end of the First Year, will be allowed to proceed as a regular student with his next year's work. Before entering upon the course a student must register with the Registrar of the University, and enroll with each instructor whose lectures he is to attend.

Course of Study.

The studies included in the course fall naturally into four groups:—

(1) Mathematics and the Natural Sciences.

(2) Modern Languages, including English composition.

(3) History and Political Economy, embracing Economic Theory, Economic Geography, Modern Industrial History, Banking, Transportation, Commercial Law.

(4) Drawing, including the history and principles of Architecture.

In groups (1), (2) and (4) certain electives are allowed as indicated in the curriculum above.

Fees.

The usual University fees for instruction and examination in the various subjects are required, viz.:—

For Matriculation Examination	$ 5.00
For the Annual Examination	14.00
For Academic year, extending from October to May	36.00
Library fees	2.00
Laboratory fees (in the Natural Science Department) per course per year	$1.00 to 3.00

Medals.

Mr. P. W. Ellis presents annually a bronze medal known as the Course in Commerce Medal, which is awarded at the examination of the Second Year. Students in the course are also members of the Political Science Club of the University, and as such are entitled to compete for the Political Science Club Silver Medal, presented by the same donor. This medal is awarded for the best essay showing original research work prepared during the summer vacation.

Scholarships.

The members of the Executive of the Board of Trade of the City of Toronto for 1901 provided the sum of $200, which has been assigned as follows:—

Matriculation Examination.

First Board of Trade of the City of Toronto Scholarship....$60.00
Second Board of Trade of the City of Toronto Scholarship.. 40.00

CURRICULUM FOR DIPLOMA IN GYMNASTICS AND PHYSICAL DRILL.

A diploma will be granted to students of the University who shall have completed to the satisfaction of the Senate the following courses for teachers of Gymnastics and Physical Drill:—

I. A theoretical course embracing anthropometrical measurements and the general methods adopted to improve the physical condition of the student.

II. A practical course embracing the following exercises:—

FOR MEN.

1. (*a*) Horizontal Bar.
   (*b*) Parallel Bars.
   (*c*) Vaulting Horse.
2. Rifle exercises and military drill.
3. Club-swinging and dumb-bells.
4. Fencing, single-stick and quarter-staff.
5. Boxing and wrestling.

Of these 1 and 2 to be compulsory, together with any one of 3, 4 or 5.

FOR WOMEN.

1. Exercises for the chest and upper extremities.
   (*a*) Dumb-bell and bar-bells.
   (*b*) Club-swinging and basket-ball.
   (*c*) Swedish exercises for harmonic expansion.
2. Progressive exercises, including walking, running, leaping, marching and drill, with use of vaulting bar and horse.
3. Calisthenics, including poise and ease, freedom and harmony of movement.
4. Vocal exercises, including breathing, freedom and strength of voice, expression, quantity, rhythm and melody.
5. Exercises involving correlation of muscular movement with the eye, including fencing, archery, tennis and other exercises of quickness and precision.

Numbers 1, 2 and 3 are required of all students, and an option of 4 and 5.

An examination will be required in elementary anatomy and hygiene.

III. All candidates for the diploma shall present certificates of having completed a three years' course of instruction in the subjects of examination. Such course of instruction shall be taken in the Gymnasium of the University of Toronto, but courses of instruction elsewhere may, by special permission of the Senate, be accepted *pro tanto*.

IV. The fee for examination shall be $2, and for the diploma $2.

CURRICULUM IN HOUSEHOLD SCIENCE.

1. There shall be established a four years' course leading to the degree of Bachelor of Household Science.

2. The subjects and standard of the entrance examination shall be the same as those of Junior Matriculation. Three of the subjects shall be obligatory, viz., English, Mathematics and History, and the candidate shall be required to elect in addition three of the following, viz.: Latin, Greek, French, German and Experimental Science.

3. The subjects of the First Year examination shall be as follows:—

(*a*) English of the First Year of the general course in Arts.

(*b*) French of the First Year of the general course in Arts.

(*c*) German of the First Year of the general course in Arts.

(*d*) Biology of the First Year of the general course in Arts.

(*e*) Chemistry of the First Year of the honour course in Science.

(*f*) Physics of the First Year of the general course in Arts.

(*g*) Elementary Household Science, including the principles of Cookery and Housekeeping. The candidate must present a certificate from an approved school of household science of having satisfactorily pursued a course of laboratory work of 125 hours in illustration of the above subjects.

(*h*) Physical Training, with the elements of personal hygiene. The candidate must present a certificate of having for six months prior to the examination attended a course in physical training to the satisfaction of the instructor.

4. The subjects of the Second Year examination shall be as follows:—

(*a*) English of the Second Year of the general course in Arts.

(*b*) French of the Second Year of the general course in Arts.

(*c*) German of the Second Year of the general course in Arts.

(*d*) Economics of the Fourth Year of the general course in Arts.

(*e*) Physiology of the Second Year of the honour course in Biology.

(*f*) Organic Chemistry of the Second Year of the honour course in Biology.

(*g*) Practical Biology of the honour course of the First Year in Science.

(*h*) Practical Chemistry of the honour course of the Second Year in Biological and Physical Science.

(*i*) Household Science, including the construction, care and conduct of the house in all its departments. The candidate must present a certificate from an approved school of household science of having satisfactorily pursued a second course of laboratory work of 150 hours.

(*j*) Physical Training. The candidate must present a certificate of having for six months prior to the examination attended a second course of physical training to the satisfaction of the instructor.

5. Students who do not intend to prosecute their studies further than the close of the Second Year, may substitute English of the Third Year of the general course in Arts for that of the Second Year, and Modern History of the Third Year of the general course in Arts for Economics.

6. The subjects for the Third Year examination shall be as follows:—

(*a*) English of the Third Year of the general course in Arts.

(*b*) Modern History of the Third Year of the general course in Arts.

(*c*) Psychology of the Second Year of the general course.

(*d*) Biology. 1. Natural history of foods. 2. Elements of structure of vertebrates. 3. Fermentation and allied phenomena—the elements concerned.

(*e*) Physiology. 1. The physiology of digestion and nutrition. 2. Practical physiological chemistry, inclusive of the chemistry of foods.

(*f*) Elements of Hygiene.

(*g*) Household Science.

(*h*) Physical Training.

The candidate must present a certificate from an approved school of household science of having satisfactorily pursued a third course of laboratory work of 175 hours' duration.

(*i*) Physical Training.

The candidate must present a certificate of having for six months prior to the examination attended a third course in physical training to the satisfaction of the instructor.

7. Students, who have successfully concluded the work of the Third Year shall receive a diploma in Household Science, but such of them as desire a teacher's certificate in addition to the diploma must present a certificate from an approved school of household science of having satisfactorily completed a course of sixty hours in methods of teaching Household Science; these may, however, omit the Economics of the Fourth Year.

8. The subjects of the Fourth Year course shall be as follows:—

(*a*) Honour Modern English of the Fourth Year.

(*b*) Ethics of the Third Year of the general course in Arts.

(*c*) Sanitary Science.

(*d*) The candidate must present evidence of having devoted himself in the University laboratories to special work bearing on problems of Household Science for a period of 400 hours. He will be required to present a report on the work performed.

9. Bachelors of Arts may obtain the diploma and teacher's certificate in two years, and will be exempted from all the examinations except those in Household Science, and such of the scientific subjects as they have not already taken in their undergraduate course.

10. The standard for passing shall be the same as that required for the general course in Arts.

FEES.

Examination fee	$10 00
College fee	10 00
University fee	16 00

Laboratory fees as for students in Arts.

CURRICULUM IN VETERINARY SCIENCE.

1. There is hereby established a three years' course leading to the diploma in Veterinary Science.

2. The subjects of the entrance examination shall be English, English and Canadian History, Arithmetic, Chemistry, Geometry (Euclid Book 1) or its equivalent in Elementary Geometry and Algebra through simple equations, and the standard of the examinations shall be the same as in Junior Matriculation.

3. The subjects of the First year's examination shall be as follows:—
   (*a*) Elementary Physics.
   (*b*) Elementary Chemistry with laboratory work.
   (*c*) Elementary Biology with laboratory work.

4. The subjects of the Second year's examination shall be as follows:—
   (*a*) Animal Physiology.
   (*b*) Anatomy.
   (*c*) Histology and Embryology.
   (*d*) Pharmacy and Pharmacology.
   (*e*) Parasitology including Bacteriology.

5. The subjects of the Third year's examination shall be as follows:—
   (*a*) Pathology.
   (*b*) Tocology and Zootechnics.
   (*c*) Veterinary Surgery and Medicine.
   (*d*) Elementary Sanitary Science.
   (*e*) Veterinary Jurisprudence.
   (*f*) Toxicology.

6. Students are required to practice at least five months with a qualified Veterinarian between the second and third sessions and to produce certificates to that effect.

7. A student who has successfully concluded the work of the Third year shall be entitled to receive a diploma in Veterinary Science.

8. A graduate of the Ontario Veterinary College holding a certificate of date prior to this statute shall be allowed to present himself for the examination of the Third year upon passing a special examination in the following subjects:—English, English and Canadian History, as prescribed for Junior Matriculation together with the subjects of the First year's examination hereinbefore mentioned.

9. A student who has gained a diploma in Veterinary Science may at the expiration of one year thereafter be admitted to the degree of Doctor of Veterinary Science (D.V.Sc.) on presenting an approved thesis on the result of special research in a scientific laboratory, approved by the Senate in one of the subjects in the foregoing curriculum.

10. All examinations shall be conducted by examiners appointed by and under regulations approved by the Senate of the University.

FEDERATED AND AFFILIATED COLLEGES.

St. Michael's College.

St. Michael's College was established in 1852 by the Basilian Fathers from Annonay, France, at the request and under the patronage of the Most Rev. Dr. De Charbonnel, then Bishop of Toronto. For four years the College occupied the wing of St Michael's Palace on Church Street. In 1856 a more suitable edifice was erected on the present site, part of which was the gift of the late Hon. John Elmsley. Since that time the building has been more than doubled, and the chapel enlarged and improved.

The object of the institution is to impart a thorough Catholic training, moral and intellectual, so as to fit young men for any position in life which they may wish to occupy.

The studies advancing steadily with the educational progress of the country, it was deemed advantageous for those studying for the liberal professions to have the College affiliated with the Provincial University. In 1881 this affiliation was effected upon a basis similar to that of several of the Catholic Colleges of England and Ireland with the University of London.

The course of study comprises, besides an Elementary department, three others, viz., Commercial, Classical and Philosophical. In the latter department lectures are delivered in the subjects of the department of Philosophy as prescribed by the curriculum of the University of Toronto.

Special lectures are also delivered upon the History required in the curriculum of the University.

OFFICER

REV. N. ROCHE, C.S.B., *President.*

Wycliffe College.

Wycliffe College was founded in 1877 and incorporated in 1879. In 1885 it was affiliated with the University of Toronto, and federated in 1890 upon the proclamation of the Federation Act.

Its object is the Theological training of candidates for the ministry of the Church of England in Canada and for the foreign Missionary field.

In the University and University College its students receive instruction in the prescribed subjects of the Arts Course, as preliminary to the special study of Theology. The Theological Course extends over a period of three years, and leads up to the degree of B.D.

The first year of the Theological Course may be taken concurrently with the Arts work of the University by means of the Theological options, and by following the schedule laid down in the Calendar of the College. Students in Arts enrolled in University College can also be enrolled in Wycliffe College in the subjects allowed as options in the Arts Course.

The first building of the College was erected in 1882. The work is now carried on in the building completed in 1891, contiguous to the Queen's Park, and in proximity to the main building of the University of Toronto, with rooms for upwards of sixty students, Convocation hall, lecture rooms, library, chapel, dining hall, etc.

Students have access to the library, gymnasium and all the privileges of the University.

THE FACULTY.

REV. T. R. O'MEARA, LL.D. (PRINCIPAL), *Professor of Practical Theology, Homilitics, Pastoral Theology and the English Bible.*

REV. HENRY J. CODY, M.A., D.D., LL.D., *Professor of Systematic Theology.*

REV. T. H. COTTON, M.A., *Professor of Apologetics and Old Testament History.*

REV. G. M. WRONG, M.A. (Professor of History in the University of Toronto), *Ecclesiastical History.*

REV. DYSON HAGUE, M.A. (Rector of the Memorial Church, London), *Professor of Liturgics.*

REV. C. V. PILCHER, M.A., *Professor of the Literature and Exegesis of the New Testament.*

MIRIAM W. BROWN, *Instructress in Reading and Voice Culture.*

Chairman of Council.

N. W. HOYLES, ESQ., LL.D., K.C.

Representatives on the University Senate.

THE PRINCIPAL. N. W. HOYLES, ESQ., K.C., LL.D.
REV. CANON CODY, M.A., D.D., LL.D.

Librarian.

REV. T. H. COTTON, M.A.

Registrar and Bursar.

HERBERT MORTIMER, ESQ.
Registrar's Office, Room 39, Confederation Life Building, Toronto.

Knox College.

Knox College was established at Toronto in 1844, as a theological seminary in connection with the Synod of the Presbyterian Church of Canada (Free Church), which had been organized in the same year. In 1858 it was incorporated by Act of Parliament. In 1861, in consequence of the union of the Synod of the Free Church and that of the United Presbyterian Church, as the Synod of the Canada Presbyterian Church, Knox College and the Theological Institute of the United Presbyterian Synod were united.

After several changes of location the present buildings on Sapdina Avenue were erected in 1875. Knox College was affiliated with the University of Toronto in 1885, and federated in 1890, upon the proclamation of the Federation Act. In the University and University College such of its students as are not proceeding to a degree received instruction during three sessions in English, Latin, Greek, History, Logic, Chemistry, Biology, Physics, Mental and Moral Philosophy and Hebrew. Most of the entrants in Theology, however, complete a regular University course. The course in Theology extends over three years. A number of scholarships and prizes are offered for competition in each year. Theological options may be taken by students of the University in their Third and Fourth years.

The College is governed by "The Board of Management": His Honor Sir William Mortimer Clark, LL.D., Chairman; Rev. G. R. Faskin, B.A., Secretary; Rev. J. Somerville, D.D., Treasurer. The "Board" consists of thirty-five members, appointed annually by the General Assembly of the Presbyterian Church in Canada.

THE FACULTY.

REV. WILLIAM MACLAREN, D.D., LL.D., *Principal and Chairman of the Senate, James MacLaren Professor of Systematic Theology.*

REV. JAMES BALLANTYNE, B.A., D.D., *Professor of Church History and Church Government.*

REV. JOHN E. MCFADYEN, M.A., B.A. (Oxon), *Professor of Old Testament Literature and Exegesis.*

REV. J. D. ROBERTSON, M.A., D.SC., *Professor of Apologetics, Homiletics, and Pastoral Theology.*

REV. T. B. KILPATRICK, D.D., *Professor of Systematic Theology.*

REV. H. A. A. KENNEDY, M.A., D.SC., *Professor of New Testament Literature and Exegesis.*

REV. E. COCKBURN, LL.B., *Librarian.*

REV. R. C. TIBB, B.A., *Secretary of Senate.*

REV. J. A. TURNBULL, LL.B., D.D., *Chairman of Board of Examiners.*

Victoria University.

THEOLOGICAL FACULTY.

The Faculty of Theology in Victoria College was established in 1871 for the purpose of training candidates for the ministry of the Methodist Church. Its classes and degrees have, however, always been open to candidates for the ministry in any Church.

Instruction is provided in the various courses of study leading up to ordination in the Methodist Church, viz., the Ordinary Courses, the Course for Graduates in Arts, and the B.D. Course. The first-named course pre-supposes matriculation in Arts, the last two pre-suppose graduation in Arts.

Undergraduates in Arts, whether candidates for the ministry or not have the privilege of taking certain subjects in Theology as options in Religious Knowledge in the several years of their course, as indicated in this Calendar in the statement of the Arts Course.

For further information as to courses of study, fees, honours, prizes, scholarships, and regulations, see the Calendar of Victoria College, or apply to the Rev. Dean F. H. Wallace, M.A., D.D.

THE FACULTY.

Rev. Nathanael Burwash, S.T.D., LL.D., F.R.S.C., *President.*

Rev. Francis Huston Wallace, M.A., D.D., *Dean.*

Rev. Nathanael Burwash, S.T.D., LL.D., F.R.S.C., *Edward Jackson Professor of Biblical and Systematic Theology.*

Rev. Alfred H. Reynar, M.A., LL.D., *Professor of Ecclesiastical History.*

Rev. Francis Huston Wallace, M.A., D.D., *Geo. A. Cox Professor of New Testament Exegesis and Literature.*

Rev. John Burwash, D.Sc., LL.D., *Hart A. Massey Professor of English Bible.*

Rev. John Fletcher McLaughlin, M.A., B.D., *Eliza Philps Massey Professor of Old Testament Exegesis and Literature.*

Rev. Richard Pinch Bowles, M.A., B.D., *Margaret Cox Professor of Homiletics and Pastoral Theology.*

Rev. George John Blewett, B.A., Ph.D., *Ryerson Professor of Ethics and Apologetics.*

Rev. A. C. Crews, D.D., *Lecturer in Christian Didactics.*

Joseph H. Shepard, Esq., *Instructor in Elocution.*

Royal College of Dental Surgeons.

This institution was incorporated in 1868, with power to examine and issue license to practise as a dentist in the Province. In connection with the College a School of Dentistry was established in 1875 for the instruction of students in their professional work.

THE FACULTY.

J. BRANSTON WILLMOTT, D.D.S., M.D.S., Dean of the Faculty, *Professor of Dental Prosthetics.* 96 College Street.

A. E. WEBSTER, L.D.S., D.D.S., M.D., *Professor of Operative Dentistry and Dental Pathology.*

A. PRIMROSE, M.B., M.R.C.S., (Professor of Anatomy, University of Toronto), *Professor of Surgery.*

W. T. STUART, M.D., C.M., (Professor of Medical Chemistry, University of Toronto), *Professor of Chemistry.*

W. EARL WILLMOTT, L.D.S., D.D.S., *Professor of Technique, and General Superintendent.*

A. W. THORNTON, L.D.S., D.D.S., *Professor of Crown and Bridge Work.*

F. A. CLARKSON, M.D., *Professor of Visceral Anatomy and Physiology.*

JOHN J. MACKENZIE, B.A. (Professor of Pathology, University of Toronto), *Professor of Histology, Bacteriology, and Comparative Dental Anatomy.*

HAROLD CLARK, L.D.S., D.D.S., *Professor of Dental Materia Medica and Therapeutics.*

W. T. STUART, M.D., C.M., *Professor of Anatomy.*

G. G. HUME, L.D.S., D.D.S., *Lecturer on Orthodontia.*

J. B. WILLMOTT, D.D.S., M.D.S., *Lecturer on Dental Jurisprudence.*

R. J. READE, M.A., L.D.S., D.D.S., M.D., C.M., *Lecturer in Medicine.*

F. E. BURTON, B.A.

J. F. ROSS, L.D.S., D.D.S., *Instructor in Porcelain.*

A. A. STEWART, L.D.S., D.D.S., *Demonstrator in Bacteriology.*

A. E. WEBSTER, L.D.S., D.D.S., M.D., *Demonstrator of Operative Dentistry, Operative Technique and Orthodontia.*

DRS. A. J. MACKENZIE, D. MCGILLIVRAY and C. S. RYERSON, *Demonstrators of Anatomy.*

W. T. STUART, M.D., *Demonstrator of Practical Chemistry.*

W. E. CUMMER, L.D.S., D.D.S.; A. A. STEWART, L.D.S., D.D.S.; J. A. BLACK, B.A., L.D.S., D.D.S.; B. E. BROWNLEE, L.D.S., D.D.S., *Demonstrators in the Infirmary.*

THOS. HENDERSON, M.D.S., D.D.S., *Instructor in Nitrous Oxide.*

F. D. PRICE, L.D.S., D.D.S., *Instructor in Electro-Therapeutics.*

W. E. WILLMOTT, D.D.S., *Superintendent.*

College Building, 93 College Street, Toronto.

The Royal College of Dental Surgeons was affiliated with the University of Toronto in 1888, and shortly thereafter an examination for the degree of Doctor of Dental Surgery was instituted in the University. For curriculum see p. 423.

Ontario College of Pharmacy.

The Council of the College of Pharmacy, the biennially-elected governing body of the practising pharmacists of the Province of Ontario, began in 1882 to give instruction in the various subjects necessary for license for druggists. The College building, situated in St. James' Square, was erected in 1886, and the Faculty re-organized and extensive additions made to the building in 1891. In the same year affiliation was entered into with the University of Toronto. For curriculum, see p. 427. For details as to laboratory and other courses, preliminary qualifications, etc., see Annual Announcement of the College, which may be had by addressing W. B. Graham, Registrar-Treasurer, Ontario College of Pharmacy, Toronto, Ontario.

THE FACULTY.

CHARLES F. HEEBNER, PH.G. (N.Y.), PHM.B. (Tor.), *Dean, Professor of Theory and Practice of Pharmacy and Dispensing, Director of the Pharmaceutical and Dispensing Laboratories.*

J. T. FOTHERINGHAM, B.A., M.B. (Tor.), M.D., C.M. (Trin.), *Professor of Materia Medica and Pharmacognosy.*

GRAHAM CHAMBERS, B.A., M.B. (Tor.), *Professor of Chemistry, Physics and Toxicology.*

PAUL L. SCOTT, M.B. (Tor.), *Professor of Botany.*

WALTER B. KENDALL, PHM.B. (Tor.), *Professor of Microscopy.*

GEORGE A. EVANS, PHM.B. (Tor.), *Professor of Analytical Chemistry, Director of the Chemical Laboratory.*

Ontario Agricultural College.

The institution known as the "Ontario Agricultural College and Experimental Farm" is situated about a mile to the south of the city of Guelph, in the centre of an extensive agricultural and noted stock-raising district, readily accessible by rail from all parts of the Province. The farm consists of 550 acres, about 400 of which are cleared. It is composed of almost every variety of soil, and hence is well suited for the purpose for which it was selected.

The instruction given at the institution is embraced under two heads, a course of study and a course of apprenticeship. The latter is required of all First and Second year students in the autumn, winter and spring terms, during which they are employed in rotation in each of six departments of practical farm labour. The regular course of study is for two years, at the end of which time an Associate Diploma is granted by the College.

Students who reach a certain standing in the theoretical and practical work of the Associate Course may remain two years longer, with a view to obtaining the degree of Bachelor of the Science of Agriculture (B.S.A.) in the University of Toronto with which Institution the Agricultural College has been affiliated for advanced examinations and degrees since 1888. For curriculum, see page 428.

FACULTY OF INSTRUCTION,

1907-1908.

(*All except the President arranged in order of Seniority.*)

G. C. Creelman, B.S.A., M.S., *President.*
H. H. Dean, B.S.A., *Professor of Dairy Husbandry.*
C. A. Zavitz, B.S.A., *Professor of Field Husbandry.*
J. Hugo Reed, V.S., *Professor of Veterinary Science.*
H. L. Hutt, B.S.A., *Professor of Horticulture.*
G. E. Day, B.S.A., *Professor of Animal Husbandry.*
J. B. Reynolds, B.A., *Professor of English.*
R. Harcourt, B.S.A., *Professor of Chemistry.*
Miss Mary Urie Watson, *Director of Home Economics.*
John Evans, *Professor of Manual Training.*
S. B. McCready, B.A., *Professor of Botany and Nature Study.*

S. F. EDWARDS, M.Sc., *Professor of Bacteriology.*
C. J. S. BETHUNE, M.A., D.C.L., *Professor of Entomology and Zoology.*
W. R. GRAHAM, B.S.A., *Manager and Lecturer in Poultry Department.*
H. R. ROWSOME, *Lecturer in Apiculture.*
W. P. GAMBLE, B.S.A., *Lecturer in Chemistry.*
ALICE G. ROWSOME, B.A., *Instructor in French and German and Acting Librarian.*
F. D. JARVIS, B.S.A., *Lecturer in Entomology and Zoology.*
W. H. DAY, B.A., *Lecturer in Physics.*
J. BUCHANAN, B.S.A., *Lecturer in Field Husbandry.*
ANNIE ROSS, M.D., *Lecturer in Physiology, Home Nursing, Psychology, and Child Study.*
E. J. ZAVITZ, B.A., M.S.F., *Lecturer in Forestry.*
J. W. CROW, B.S.A., *Lecturer in Horticulture.*
H. H. LEDREW, B.S.A., *Lecturer in Economics.*
R. W. WADE, B.S.A., *Lecturer in Animal Husbandry.*
B. BARLOW, B.S., *Demonstrator in Bacteriology.*
MISS HELEN GIVEN, *Instructor in Domestic Science.*
MISS GRACE GREENWOOD, *Instructor in Normal Methods.*
E. W. KENDALL, *Demonstrator in Manual Training.*
D. H. JONES, *Dean of Residence and Instructor in English and Bookkeeping.*
H. L. FULMER, B.S.A., *Demonstrator in Chemistry.*
J. W. EASTHAM, B.S., *Demonstrator in Botany.*
J. E. HOWITT, M.S.A., *Demonstrator in Botany.*
MISS ROSEMINA GREIST, *Instructor in Domestic Art.*
MISS EMMA BIGELOW, *Demonstrator in Laundry and Household Administration.*
MISS EDNA FERGUSON, *Demonstrator in Domestic Science.*
C. C. THOM, B.S.A., *Demonstrator in Physics.*
WM. HUNT, *Instructor in Floriculture.*
R. W. STRATTON, *Demonstrator in Cream Separators, and in Buttermaking.*
G. R. TAYLOR, *Demonstrator in Milk Testing.*
C. H. RALPH, *Demonstrator in Cheesemaking.*
MISS J. MCPHIE, *Demonstrator in Chemistry.*
MISS ETHEL FONDA, *Assistant Instructor in Domestic Art.*
M. F. COGLAN, *Fellow in Chemistry.*
CAPT. WALTER CLARK, *Drill Instructor.*
GRANVILLE HIBBERD, *Instructor in Athletics.*

Office Staff.

S. SPRINGER, *Bursar.*
J. B. FAIRBAIRN, *Secretary.*
W. O. STEWART, M.D., *Physician.*

The Toronto College of Music.

The Toronto College of Music, situated on Pembroke Street, incorporated in 1890, was affiliated with the University of Toronto in the same year. A curriculum for examinations and Degrees in Music in the University has been instituted (see p. 438). The course of study for graduation extends over a period of three years. For further particulars see the Annual Announcement of the College.

Teaching Staff.

Piano—F. H. TORRINGTON, Mus. Doc., W. E. FAIRCLOUGH, F.R.C.O., T. C. JEFFERS, Mus. Bac., ALICE E. MANSFIELD, Mus. Bac., FLORENCE GRAHAM, R. G. STAPPELLS, LILLIAN PORTER, GERTRUDE ANDERSON, CECILE WILLIAMSON, CONSTANCE VEITCH, Mus. Bac. (V.C.L.), L. WAIZMANN, DOLLIE BLAIR, ETHEL M. ROBINSON, MAMIE MCDONALD, EVELINE ASHWORTH, MRS. E. J. HOPKINS, MUIRIEL ANDERSON, CLARA SMITH, ESTELLE SLATER, MOLNA O'CONNOR.

Organ—F. H. TORRINGTON, Mus. Doc., W. E. FAIRCLOUGH, F.R.C.O., T. C. JEFFERS, Mus. Bac., R. G. STAPPELLS.

Vocal—F. H. TORRINGTON, Mus. Doc., T. C. JEFFERS, Mus. Bac., J. D. RICHARDSON, FLORENCE GRAHAM, MRS. CLELAND ARMSTRONG, ETHEL M. ROBINSON, MRS. E. J. HOPKINS, ARTHUR V. LEITHEUSER.

Theory—W. E. FAIRCLOUGH, F.R.C.O., T. C. JEFFERS, Mus. Bac., L. WAIZMANN, MISS MANSFIELD, Mus. Bac.

Kindergarten Music—HULDA WESTMAN, HANNAH HEAKES, LIBBIE WILLIAMS, ETHEL M. ROBINSON, MABEL WELLS, MUIRIEL ANDERSON, MABEL E. ROBINSON.

Violin—F. C. SMITH, W. J. DONVILLE, P. BRANCIERE, CONSTANCE VEITCH.

Viola—W. J. OBERNIER.

Violincello—L. WAIZMANN.

Contra Basso—J. GOWAN.

Flute and Piccolo—JOHN ROBSON.

Oboe—A. PARKER.

Clarionet—H. CLARKE.

Bassoon, Bass Clarionet—H. CROWTHER.

Cornet and Trumpet—J. WALDRON, W. HERBERT PLANT.

Horn—R. JOSE.

Slide Trombone—R. PLANT.
Euphonium and Tuba—T. JONES.
Tympani and Percussion Instruments—C. RIDDY.
Harp—MRS. SULLIVAN MALLON.
Mandolin, Guitar, Banjo—UDELLA M. JONES, Director Mandolin and Guitar Orchestra.
Quartette and Ensemble Playing—F. H. TORRINGTON, Mus. Doc.
Orchestral and Band Playing, and the Art of Conducting—F. H. TORRINGTON, Mus. Doc., J. WALDRON.
Orchestration—L. WAIZMANN, J. WALDRON.
Church Music, Oratorio, Choir and Chorus Practice—F. H. TORRINGTON, Mus. Doc., T. C. JEFFERS, Mus. Bac., W. E. FAIRCLOUGH, F.R.C.O.
Musical History, Solfeggio and Sight Singing—T. C. JEFFERS, Mus. Bac.
The Art of Accompanying—F. H. TORRINGTON, Mus. Doc.
Elocution, Voice Oratory, Dramatic Art and Physical Culture—MRS. SCOTT-RAFF, *Principal*, GERTRUDE PHILP..

Toronto Conservatory of Music.

The Toronto Conservatory of Music, incorporated in 1886, is affiliated with the University of Toronto, and its buildings are situated at the corner of College Street and University Avenue.

Each season of forty weeks opens on September 1st, and closes with the following June. The courses of study for graduation extend over a period of three or more years, according to the proficiency of the student. Students are prepared for University Examinations leading to degrees in Music. According to the terms of affiliation existing between the Conservatory of Music and the University of Toronto, students who have passed the First University Examination in Theory will be exempted from the First and Second Examination; and students holding the Theory Diploma of the Conservatory will be exempted from the First and Second University Examinations in Music. For particulars of these examinations see the curriculum, page 438 of this Calendar.

Teaching Staff.

Pianoforte—Dr. Edward Fisher, J. D. A. Tripp, A. S. Vogt, Mus. Doc., Frank S. Welsman, George Wilson, J. W. F. Harrison, W. J. McNally, Frances S. Morris, A.T.C.M., Donald Herald, A.T.C.M., Edmund Hardy, F.T.C.M., Mus. Bac., Maud Gordon, A.T.C.M., Mary L. Caldwell, Mrs. Gerhard Barton, G. D. Atkinson, Jessie M. Allen, Ethel Rolls, Ada J. F. Twohey, Mabel O'Brien, A.T.C.M., Edith Myers, A.T.C.M., Annie Johnson, A.T.C.M., Ada M. Briggs, F.T.C.M., Mus. Bac., Rachel E. A. Wilson, Mus. Bac., Lillian E. Willcocks, A.T.C.M., May Livingstone, Grace Hill, A.T.C.M. Mabel F. Boddy, Muriel Rogers, Ethel Morris, F.T.C.M., Mus. Bac., Daisy Mitchell, A.T.C.M., Lily Lawson, A.T.C.M., Lexie F. Davis, Mus. Bac., Annie M. Connor, A.T.C.M., Alma F. Tipp, Winnifred Stalker, A.T.C.M., Hazel M. Ireland, A.T.C.M. Eva I. Hughes, A.T.C.M., Marie Hennessey, A.T.C.M., Margaret L. Macdonnell, May Irwin, Gwendolyn Daville, May Crane, Edith Breckenridge, Alice M. Boehm.

Kindergarten Music—Edith Myers, A.T.C.M.

Organ—ALBERT HAM, Mus. Doc. (Trinity College, Dublin), F.R.C.O., L.T.C. (London), EDWARD BROOME, J. W. F. HARRISON, G. D. ATKINSON, JESSIE C. PERRY, A.T.C.M., NORMAN T. IVES, A.T.C.M.

Singing—ALBERT HAM, Mus. Doc. (Trinity College, Dublin), F.R.C.O., L.T.C. (London), ROBERT STUART PIGOTT, MRS. RYAN-BURKE, EDWARD BROOME, HENRY J. LAUTZ, J. LAMONT GALBRAITH, L.R.A.M., HOWARD MASSEY FREDERICK, A. T. CRINGAN, Mus. Bac., H. ETHEL SHEPHARD, A.T.C.M., MARY HEWITT SMART, MRS. J. W. BRADLEY, F. H. BURT, Mus. Bac., H. M. FLETCHER, JENNIE E. WILLIAMS, A.T.C.M., MRS. H. W. PARKER, A.T.C.M., ALICE DENZIL, ANNIE HALLWORTH, A.T.C.M., MARIE WHELER, HELEN KIRBY FERGUSON, A.T.C.M., S. MARJORIE RATCLIFFE, A.T.C.M.

Theory—J. HUMPHREY ANGER, Mus. Doc., T.U.T., Mus. Bac. (Oxon.), F.R.C.O., EDMUND HARDY, F.T.C.M., Mus. Bac., Musical Theory, Harmony, Counterpoint, Canon and Fugue, Form in Composition, Instrumentation, Acoustics, etc.

Violin—MRS. B. DRECHSLER ADAMSON, LINA D. ADAMSON, FRANK E. BLACHFORD, LENA M. HAYES, A.T.C.M., JAMES TRETHEWEY, MINNIE CONNOR, F.T.C.M.

Violincello—DR. FREDERIC NICOLAI.

Contra Basso—JOHN GOWAN.

Flute—H. T. CULLEY.

Saxophone-Clarionet—JOSEPH THORNTON.

Coronet, French Horn, Slide Trombone, Euphonium, Tuba—JOHN WALDRON.

Guitar, Mandolin and Banjo—L. N. WATKINS.

Sight-Singing, Rudiments of Music, Public School Music—A. T. CRINGAN, Mus. Bac.

Piano Tuning—R. F. WILKS.

School of Expression—FRANK HOME KIRKPATRICK, Ph.B.

Expression—LAURA MAUDE SMITH, MADELEINE GOODERHAM ELLIS, A.T.C.M.

French Language—GUY DE LESTARD.

Italian Language—E. J. SACCO.

The Hamilton Conservatory of Music.

The Hamilton Conservatory of Music, instituted in 1897 and incorporated in 1904, is affiliated with the University of Toronto. Its building is situated at 126-132 South James Street, Hamilton, Canada. Each season of forty weeks opens in September and closes with the following June. The courses of study for graduation are those laid down in the Curricula in Music of the University of Toronto as found between pages 438 and 500 of this Calendar. In addition to the examinations as stipulated in the Curricula of the University a special course is given for teachers and also a special course in theory, full particulars of which may be obtained by writing for Calendar from the Registrar of the Conservatory. Students are prepared for all the examinations and degrees in music, of the University of Toronto.

TERMS.

Fletcher Music Method—EMMA B. BARTMAN, A.T.C.M.

Pianoforte—FAWN RUSSELL, ETHEL MCANDREW, L.H.C.M., OLIVE BALFOUR, L. Mus. Tor., EMMA B. BARTMAN, A.T.C.M., EMMA ADELE BARNARD, SADIE FRASER, Mus. Bac., ISABEL K. LEWIS, CLARA E. MORRIS, L. Tor. Uni., LILLIE M. W. PEENE, A.T.C.M., MRS. STELLA M. POWELL-WEYLAND, INA M. SPRINGER, A.T.C.M., NELLIE M. HAMM, F.T.C.M., Mus. Bac., ELIZABETH HERALD, ANNA C. LAIDLAW, A.T.C.M., SIDNEY ENGLISH, Mus. Bac., LINA H. MURPHY, EDWARD PEARCE, ADA J. F. TWOHY, Mus. Bac., L.A.B., J. E. P. ALDOUS, B.A., A. G. ALEXANDER, W. H. HEWLETT, Mus. Bac.

Voice—MRS. GEO. ALLAN, MISS SADIE FRASER, Mus. Bac., H. ADELINE SMITH, FRANK H. BURT, Mus. Bac., BRUCE A. CAREY, J. PARNELL MORRIS.

Theory—J. E. P. ALDOUS, B.A., A. G. ALEXANDER, W. H. HEWLETT, Mus. Bac., SIDNEY J. ENGLISH, Mus. Bac., SADIE FRASER, Mus. Bac., ADA J. F. TWOHY, Mus. Bac., L.A.B., NELLIE M. HAMM, F.T.C.M., Mus. Bac., EMMA B. BARTMANN, A.T.C.M.

Organ—J. E. P. ALDOUS, B.A., A. G. ALEXANDER, W. H. HEWLETT, Mus. Bac., ADA J. F. TWOHY, Mus. Bac., L.A.B., NELLIE M. HAMM, F.T.C.M., Mus. Bac., LILLIEN M. W. PEÉNE, A.T.C.M., CLARA E. MORRIS, L. Tor. Uni.

Violin—FRANK E. BLATCHFORD, ELLA M. HOWARD.
Violincello—DR. FRED NICOLAI, EDUARD A. BARTMANN.
Guitar, Mandolin, Banjo—G. H. OZBORN.

SPECIAL LECTURES.

Lectures on Acoustics, Musical History, Musical Form, Vocal Hygiene principles of health, history and development of church, opera, and pianoforte music will be given during the session.

Ontario Veterinary College.

This institution was established in 1862, for the purpose of providing facilities for instructing in Veterinary Science. After various changes in buildings and equipment, necessitated by the increasing number of students, the present College building, situated at 40 Temperance Street, was erected in 1889. Affiliation with the University of Toronto took place in 1897. A curriculum of study leading to a diploma and a degree has recently been adopted by the Senate.

THE FACULTY.

PROFESSOR ANDREW SMITH, V.S., Edin., F.R.C.V.S., and HON. ASS. R.C.V.S. (Principal), *Diseases of Domesticated Animals.*

GRAHAM CHAMBERS, B.A., M.D., *Veterinary Materia Medica.*

JOHN A. AMYOT, M.B., *Animal Physiology.*

PROFESSOR ANDREW SMITH, V.S., and ASSISTANTS, *Clinical Instructors.*

W. J. O. MALLOCH, B.A., M.B., *Chemistry.*

J. T. DUNCAN, M.D., V.S., HON. ASS. R.C.V.S., *Anatomy.*

D. KING SMITH, M.B., *Pathology and Normal Histology.*

C. H. SWEETAPPLE, V.S., *Veterinary Obstetrics, Diseases of Cattle, and Meat Inspection.*

D. KING SMITH, M.B., *Practical Misroscopy and Bacteriology.*

W. J. R. FOWLER, V.S., *Demonstrator of Anatomy.*

APPENDIX

REGISTER OF STUDENTS 1906-1907.

A

FACULTY OF ARTS.

UNIVERSITY OF TORONTO.

Candidates for Doctor of Philosophy.

Allan, H. H., B.A.....Toronto
Allen, T. B., B.A.....Toronto
Allin, C. D., B.A., LL.B..Kingston
Barber, F. L., M.A.....Toronto
Boswell, M. C., M.A.....Toronto
Brown, Miss F. E. E., B.A.Toronto
Brown, J. G., B.A.....Lakefield
Burton, E. F., B.A.....Toronto
Dawson, J. A. M., B.A....Toronto
Dix, D. S., M.A.....Woodbridge
Dushman, S., B.A.....Toronto
Gilchrist, L., M.A.....Chatsworth
Fasken, G. R., B.A.....Toronto
Foster, E. L. C., M.A...Brampton
Gahan, B., B.A...Sydney, N.S.W.
Kerr, H. L., B.A.....Cobalt
McRae, K. J., B.A.....Toronto
Manning, R. J., B.A.... Toronto
Miller, A. D., M.A....Newmarket
Northcott, J. A., B.A.....Toronto
Reid, J. E., M.A.....Toronto
Sharrard, J.A., M.A.....Uxbridge
Smith, W. G., B.A.....Toronto
Stewart, R. B.....St. Thomas

Candidates for Master of Arts.

Allen, T. B., B.A.....Toronto
Ballard, Miss E. L., B.A..Hamilton
Beverley, A. R., B.A.....Forest
Bilkey, C. L., B.A.....Ottawa
Brydon, W. W., B.A.....Galt
Collier, A. C., B.A.
Medicine Hat, Assa.
Dallas, A. M., B.A.....Thedford
Davis, L. E., B.A.....London
Duncanson, R., B.A.....Walton
Gardiner, J. A., B.A....Leadbury
Gibson, J. E., B.A.
Holland Landing
Gordon, J. W., B.A.....Rockwood
Harper, W. E., B.A.....Ottawa
Kemp, S. H. F., B.A.....Forest
Keys, Miss E. M., B.A....Lindsay
McQueen, J. M., B.A.
Carberry, Man.
McKey, J. F., B.A.....Toronto
McRae, K. J., B.A.....Toronto
Manning, R. J., B.A.....Toronto
Murphy, F. W., B.A.....Toronto
Nugent, D. B., B.A.....Millbrook
Paulin, J. B., B.A.....Arthur
Perry, T. H., B.A.....Linton
Pickup, H. R., B.A.....Millbrook
White, J. H., B.A.....Toronto

Students in Special Graduate Courses.

Dowling, F. S., B.A.
Edward, Miss M.L., B.A..Petrolea
Jansen, Miss I. M., Ph.D..Toronto
Johnson, Miss L. B., M.A.
Strathroy
Kerr, A. S., B.A.....Scarboro
McGregor, D. C., B.A.....Johnson
McLean, N. B., B.A.....Paisley
Menten, Miss M. L., B.A.
Chilliwack, B.C.
Miller, F. R., B.A.....Toronto
Miller, J. G.....Greenbank
Paulin, H. M., B.A.....Arthur
Pickup, S. H., B.A.....Millbrook
Riddell, Miss A. R., M.A..Toronto
Stewart, A. C.....Cobourg
Thompson, J. F., D.Paed..Toronto
Waddell, Miss M. E. G., B.A.,
Toronto
Wren, J. S., B.A.....Toronto

SUMMER SESSION.

1906.

Anderson, Miss L. C. Port Dalhousie
Baker, Miss E. S...Sackville, N.B.
Barr, Miss L. A..St. John's, Nfld.
Bartley, Miss H. M.....Lindsay
Bigelow, Miss G.. R.....Cornwall
Boyd, Miss A. A.....Kingston
Burwash, E. M..... New Westminster, B.C.
Clark, G. A.....Heathcote
Clipperton, Mrs. I. M....Toronto
Collins, E. F.....Mansfield
Cook, Miss A. E.Toronto Junction
Eby, Miss F. M.....Kingston
English, J. W.....Mimico
Evans, J. J.....Toronto
Evans, W. E.....Galt
Fallis, L. K.....Toronto
Finney, Miss H. I.Marshall, Texas
Foster, Miss J.....Welland
Gaunt, R. J.....Brantford
Gilchrist, Miss J.....Olinda
Gray, Miss C. M.....Toronto
Guest, Miss E. J.....Elginfield
Guest, W. S.....Elginfield
Harvey, Miss M. A.....London
Hulse, Miss C.....Orangeville
Jackson, J. A.....Toronto
Johnston, Miss H.....Toronto
Kemp, W.....Kingston
Kidd, T. W.....Barrie
Kidd, W. L.....Tillsonburg
Kirk, W. F.....Toronto
MacLachlan, Miss I. P....Toronto
Martin, Miss F.....Toronto
Mason, A. A.....Toronto
Milne, Miss H.....Toronto
Mowat, Miss L. E.....Toronto
Patton, W. D.....Toronto
Pearson, A.....Ingersoll
Ramsay, J. A.....Kingston
Ricker, H. E.....Plattsville
Robson, Miss A. L.....Lindsay
Rowell, Miss M. C.....London
Ryan, Miss M.....Mimico
Skitch, E. F.....Campbellford
Spence, Miss I.....Pendleton
Stephens, R. H.....Mitchell
Thompson, A., B.A...Owen Sound
Tunnah, Miss M. G. Toronto Junction
Venables, Miss E. M. Philadelphia, U.S.A.
Ward, W.....Toronto
White, Miss M. M.....Trenton
Wightman, S.....Merrickville
Williams, A.....Mitchell

ROYAL COLLEGE OF DENTAL SURGEONS.

Freshmen Class—Session 1906-1907.

Armstrong, H. H.....Toronto
Bass, F. L.....Toronto
Bickerton, LeRoy G....Woodstock
Bleakey, T. W.....North Gower
Bouck, D. M.....Morrisburg
Brown, C. W.....Toronto
Browne, R. H.....Toronto
Bruce, W. E.....Toronto
Carmichael, J. B.....Awa
Carmichael, N. C.....Hillsburg
Casselman, D. C.....Morrisburg
Church, A. L.....Ottawa
Dawson, T. W.....Bensfort
DeMille, T. C.....Picton
Durran, J.....Campbellford
Eastwood, C.....Cornwall
Elliott, O.....Toronto
Hardy, G. B.....Sheridan
Healy, P. J.....Toronto
Hope, G. J.....Alexandria
Howe, E. J.....St. Catharines
Hughton, J. M.....Arnprior
Johnson, C. B....Burlington, N.S.
Kerr, C. A.....Sault Ste. Marie
King, J. C.....Dauphin, Man.
Laidlaw, M. L.....Kettleby
Law, F. G.....Sarnia
Lederman, S.....Milverton
McIntyre, R.....Toronto
McBride, C. A.....Morrisburg
McDonald, H. J.....Chatham
McDougall, J. S.....Marvelville
McKenna, A. C.....Fallowfield
McKenzie, K. D.....Guelph
McTaggart, J. A.....Exeter
Matchett, L. L.....Waterford

Macartney. H. S.....Ottawa
Mills, W. W.....Belleville
Mounteer, E. W.....Chatham
Moore, M. L.....Smith's Falls
Nicholson, C.....Flamboro'
Phillips, A.....Toronto
Rea, A.....Reaboro
Richardson, H. M.....Toronto
Rodger, W. R.....Belwood
Seguin, G. F.....Ottawa
Somerville, W. R.....Acton
Slack, A. E.....Mono Road
Sutton, D. P.....Toronto
Weaver, O L.....Morrisburg
Weicker, C. H.....New Hamburg
Williams, C. E.....Toronto
Yeo, R. J.....Douglas, Man.
Young, E. L.....Rockland

TEACHERS' COURSE.

Adams, Miss P. L.....Hanover
Almon, Miss L. E.....Toronto
Bastedo, Miss E. B.....Toronto
Carruthers, Miss L. A....Toronto
Cavers, Miss J.....Toronto
Clemes, Miss E.....Toronto
Clemes, Miss M.....Toronto
Dent, Miss L. M.....Toronto
Dunn, Miss C.....Toronto
Flynn, Miss B. H.....Toronto
Foote, Miss M.....Toronto
Griffin, Miss J. B.....Toronto
Hart, Miss M. M.....Toronto
Hughes, T. J.....Toronto
Kelly, Miss A. G.....Toronto
Knowles, Miss K. M.....Orillia
Lean, Miss F. M.....Toronto
McDiarmid, Miss.....Toronto
Macgregor, Miss.....Toronto
McLachlan, Miss I. P.....Toronto
McLenaghan, Miss H. E...Toronto
Malone, Miss.....Toronto
Merritt, Miss H.....Smithville
Millard, Miss E. G.....Toronto
Munro, Miss D. E.....Iona
Niven, Miss J. M.....Toronto
O'Connor, Miss B. M.....Toronto
Orr, Miss M. A.....Toronto
Peake, C. N.....Toronto
Richardson, S.....Toronto
Richardson, W. L.....Toronto
Sorsoleil, M. A.....Toronto
Tugenhaft, Miss R.....Toronto
Welsh, Miss J. B.....Toronto

AESTHETICS.

Adams, Mrs.....Toronto
Alexander, W. W.....Toronto
Ames, Mrs. I. E.....Toronto
Amen, R.....Toronto
Arnoldi, Miss M.....Toronto
Black, Miss F. B.....Toronto
Casselman, A. C.....Toronto
Challoner, F. S.....Toronto
DeLaporte, Miss A. H....Toronto
Gagen, R. F.....Toronto
Greene, T. G.....Toronto
Hicks, R. W.....Toronto
Hillyard, Miss A. S.....Toronto
Hillyard, Miss C. I.....Toronto
Holmest, Miss M. H.....Toronto
Jeffreys, C. W.....Toronto
Johnson, R.....Toronto
Kelly, J. D.....Toronto
Kenney, J. T.....Belleville
Kyle, F.....Toronto
Lewis, I.....Toronto
Maclachlan, Miss C. F....Toronto
McLean, T. W.....Toronto
McNair, Miss A.....Toronto
Manly, C. M.....Toronto
Marten, T. O.....Toronto
Mehr, S. M.....Toronto
Mills, R. E.....Toronto
Milne, Miss H.....Toronto
Mowat, Miss E.....Toronto
Nichol, F. G.....Toronto
Reesor, Miss P. E. M.....Toronto
Reesor, R. A.....Toronto
Robson, A. H.....Toronto
Saunders, Mrs. H.....Toronto
Shapter, Miss M.....Toronto
Staples, O.....Toronto
Webster, Miss B.....Toronto
Williams, Miss E. P.....Toronto

Summary:

Candidates for Ph.D.	24
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Students in Special Graduate Courses	17
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UNIVERSITY COLLEGE.

Candidate for Doctor of Philosophy.

Taylor, W. R., B.A.....Port Dover

Candidates for Master of Arts.

Fawcett, T., B.A.....Nantyr
Hally, Miss I. O., B.A....Toronto
Hart, R. W., B.A.....Toronto
Larsen, T., B.A.
New Westminster, B.C.
MacVannel, Miss J., B.A. St. Marys
McElheran, R. B., B.A....London
McIntyre, E. A., B.A.....Toronto
Thompson, J. E., B.A..Cookstown

Graduates in Special Courses.

Baker, H. N., B.A.....Toronto
Cameron, A. C., B.A..Collingwood

Fourth Year.

Anderson, G. W.....Toronto
Anderson, Miss M. O.....Toronto
Anderson, W. G.....Kemptville
Ashworth, E. M.....Toronto
Baird, H. K.....Manchester
Bastedo, Miss A. S.....Toronto
Bayne, P. M.....Fergus
Beatty, S.....Berkeley
Best, Miss J.....Fingal
Bowles, O.....Randolph
Boyd, A. M.....Toronto
Burt, Miss A. B.....Paris
Cain, W. C.....Toronto
Cameron, W. A.....Brampton
Carrie, J. S.....Goderich
Cooke, H. C.....Toronto
Corbett, L. H.....Corbett
Coutts, G. B.....Thamesville
Cridland, A. D.
Savanna-la-Mar, Jamaica
Croome, N. L.....Invermay
Cruikshank, W. D.....Hamilton
Davis, H. H.....Brockville
Dickson, H.....Atwood
Dix, G.....Woodbridge
Dugit, Miss R. A.....Woodstock
Dunham, M. F.....Berlin
Eastman, S. M.....Meaford
Eaton, J.....Owen Sound
*Ellis, W. G.....Ob.
Field, S. W.....Salem
Galloway, Miss J. L.....Toronto
Gilray, Miss R. G.....Toronto
Goldstein, W. H.....Toronto
Harris, J. R.....Toronto
Harrison, Miss E. E....Deer Park
Harrison, Miss F. P....Thorndale
Harton, N. L.....Toronto
Hauch, E. F.....Walkerton
Hendry, R. W.....Liverpool, N.S.
Holme, H. R.....Oil Springs
Honeyford, R.....Toronto
Hutchinson, J. I.....Toronto
Irwin, O. M.....Lisle
Jackson, L. R.....Newmarket
Johns, A. E.....Elimville
Johnston, C. E.....Toronto
Kenny, J. F.....Belleville
King, O. H.....Toronto
Ladner, L. J.
New Westminster, B.C.
Laing, Miss J. C.....Toronto
Langlois, H. G.....Toronto
Lazenby, C. A.....Toronto
MacAlpine, C. D. H.....Lindsay
MacBeth, J. C. M.....Toronto
MacBeth, W. L. C.....Toronto
McCarthy, J. J.....Hastings
McCully, Miss L. E.....Toronto
*McDiarmid, Miss E. M....Fingal
Macdonald, Miss D. P....Toronto
McDonald, J. C.....Hoath Head
McEachren, N. A.....Cotswold
McIntosh, A. J.....Toronto
McIntosh, C. F.....Hanlan
MacKenzie, K. C.....Toronto

McLeod, P.....Georgetown. P.E.I.
McMechan, Miss F. T.....London
McQuesten, C.....Hamilton
McTaggart, H. A..Vancouver, B.C.
MacTavish, A. N.....Van Camp
Macallum, A. B.....Toronto
Martin, J. H.....Whitechurch
Miller, R. O.....Chatham
Millman, Miss M. H.....Toronto
Montgomery, Miss M. E...Toronto
Moore, E. P.....Burlington
Motherwell, R. M.....Perth
Mueller, P. W.....Toronto
‡Munro, Miss M. K.....Toronto
‡Murdoch, W. E.....Toronto
Murray, J. R. G.....Toronto
Murray, Miss M. L....St. Thomas
†Murton, H. S.....Fergus
Oakley, Miss M. G.....Stratford
O'Donoghue, Miss M. H..Stratford
Osborne, Miss A. P...Bowmanville
Pearcy, W. T.....Toronto
Pentecost, R. S.....Toronto
Pound, V. E.....Ridgeway
Pyke, A. J.....St. Marys
Rae, E.....Burlington
Rae, W. A.....Toronto
Richardson, J.....Woodstock
Ritchie, C. F.....Toronto
Robertson, G. W.....Kelvin
Robertson, J. K.....Perth
Robertson, L. B.....Toronto
*Rose, Miss M. E.....Ob.
Ross, Miss M. E.....Woodstock
Sanderson, J. R.....Toronto
Scrimgeour, W. G.....Guelph
Shannon, J. H.....Drew Station
Sherwood, L. P.....Ottawa
Smith, Miss K. E.....Port Hope
Smith, C. M.....Toronto
Smith, R. J.....Claude
Solway, L. J.....Toronto
Southam, G. H.....Hamilton
Spence, P. W.....Toronto
Stanley, T. H.....Derwent
Steele, Miss M. E.....Dundas
Stewart, Miss K. L....Palmerston
Stewart, Miss M. M.....Clinton
‡Stuart, A. T.....Hamilton
Symington, T. A.....Port Dover
Thompson, G. B.....Toronto
Totton, C. R...Wellman's Corners
Van der Smissen, Miss E. E. Toronto
Vermilyea, H. W.....Belleville
Ward, Miss A. L.....Cobourg
Weatherall, B. B....Southampton
Willson, Miss C.....Marshville
Wright, C. M.....Toronto
Yellowlees, N. J. L.....Toronto

Third Year.

Aitken, W. E.....Courtright
Arthurs, T. A.....Limehouse
Barber, Miss J.....Toronto
Barlow, F. H.....Lyn
Barr, Miss L.....St. John, Nfld.
Bartlet, W. G.....Windsor
Beatty, R. G.....Brampton
Bennett, Miss C. M....Kingsville
‡Black, Miss H. E.....Toronto
Blodgett, J. N.....Roseneath
Bowbeer, Miss H. B.....Toronto
Boyington, Miss V. J. F..Toronto
Bradshaw, Miss E. B.....Toronto
Bryce, P. I.....Bracondale
Butterfield, R. M.....Milton
Campbell, Miss I. A.....Ottawa
Campbell, Miss K. G.....Toronto
Campbell, J. A.....Toronto
Campbell, J. D.....Wingham
Campbell, R. M.....Chatham
Cannon, J. B.....Annan
Carlyle, J. A.....Brantford
Carmichael, Miss J. O. Penetanguishene
Carter, F. C.....Elora
Clark, D. A.....Toronto
‡Colley, J. N. B.....Toronto
Cree, M.....Acton
Davidson, G. T.....Toronto
Dick, D. C.....Toronto
Duckworth, H.....Hespeler
Earchman, E.....Toronto
Findlay, Miss M. C.....Barrie
Fletcher, K. G.....Toronto
Fraser, W. K.....Toronto
Gallie, J. G.....Barrie
Gilchrist, J.....Tara
Gilliland, W. H.....Owen Sound
Graham, Miss F.....Lindsay
Graham, H. C.....Hamilton
Graham, N. W. G.....Lindsay
Gray, G. L.....Mayfield
Griffin, H. L.....Woodstock
Gunn, G. H.....Toronto

Hall, M. E.....Gore Bay
Halliday, R. C....Bresaylor, Sask.
Hambly, Miss E. E.....Toronto
Handy, Miss L. M.....Toronto
Hicks, C. O.....Centralia
*Houston, Miss M. B.....Toronto
Hughes, T. D.....Toronto
Humphries, R. A.....Warkworth
Hunter, Miss C. B.....Toronto
Ironside, E. C.....Hamilton
Johnston, H. B.....Richview
Keith, N. M.....Toronto
Kennedy, W. T.....Agincourt
Kersey, R. R.....Castlemore
Kiely, P. G.....Toronto
Kilpatrick, Miss E. M. R..Toronto
Knight, Miss C. M....Mandaumin
Laidlaw, R. A.....Toronto
Lambert, N. P.....Mount Forest
Little, E. S.....London
Lyle, N. W.....Hamilton
McCabe, Miss G. B. E...Hamilton
MacCurdy, J. T.....Toronto
McCutcheon, Miss H. F....Belton
McDonald, Miss L....Tillsonburg
MacDonald, W. L.....Orangeville
McEwen, J.....Clinton
McHugh, T. G.....Windsor
McKenna, H. J.....St. Thomas
Mackenzie, A. J.....Sarnia
Mackinnon, Miss F.....Douglas
MacLachlan, Miss M. A...Toronto
McLarty, W. J.....Barrie
MacLean, A.....Byron
McLean, E. R.....Palmerston
McNaughton, Miss J. B....Weston
McNeely, Miss M. V. Carleton Place
McQuarrie, G. B.....Valetta
McPherson, R. H.....Tarbert
McWhorter, Miss M. A. V.
Smith's Falls
Marshall, Miss L. E..Fernie, B.C.
Martin, Miss M. A.....St. Marys
Martin, W.....Winnipeg, Man.
Masten, Miss E. E.....Bloomfield
Menzies, P. K.....Ailsa Craig
*Metcalf, N. E.....Barrie
Milburn, C. W....Daysland, Alta.
Mills, H. P.....Toronto
Mills, Miss H. M.....Ottawa
Moorhouse, V. H. K.....Toronto
Moss, T.....Toronto
Mustard, C. A.....Brucefield
Mutch, J. M. G.....Toronto
Newton, Miss M. L.....Toronto
Nichol, Miss S. W.....Toronto
Nurse, O. J.....Erin
†O'Boyle, Miss L. J.....Ottawa
O'Rourke, H. L.....Trenton
†Parlow, Miss H. C.....Toronto
Paulin, G. G....Kansas City, Mo.
Porter, Miss H. M.....Orillia
Priestman, G.....Marshville
Prince, S. H.
Perry's Point, Kings Co., N.B.
Reid, Miss E. M.....Streetsville
Ross, D. H.....Erie, Penn.
Rowland, Miss F. E.....Toronto
Rowland, Miss M. H.....Toronto
Saunders, R. P.....Toronto
Scoffield, J.....Chippawa Hill
Scott, A. A.....Carleton Place
Scott, Miss M. R.....Malvern
Shaver, G. N.....Toronto
Shepherd, E. P.....Bradley Creek
Sifton, J. W.....Ottawa
Silcox, C. E.....Toronto
Simpson, A. M.....Newry
Singer, A.....Toronto
Smith, Miss M. P.....Toronto
Sprague, H. S.....Belleville
Stewart, J. R. F.....Collingwood
Stirrett, J. T.....Forest
Tassie, Miss R. W.....Dresden
Taylor, A. H.....Goderich
Thompson, Miss L. M.....Toronto
Thomson, A. L.....Mitchell
Thomson, Miss H. M.....Toronto
Towers, N. E.....Sarnia
Trowern, Miss I. M.....Toronto
Turofsky, H. A.....Toronto
Urquhart, G. A.....Toronto
Wallace, R. E.....Nelson, B.C.
Watson, A. D.....Springbank
Watt, J. C.....Toronto
Weir, J. G.....Hamilton
Whetham, J. D.....Kirkwall
Whyte, M. B.....Toronto
Williams, E. S...Qu'Appelle, Sask.
Williams, W. E.....Corbetton
Woodhouse, Miss C. F....Toronto
Woodhouse, J. O.....Toronto
Wright, C. S.....Toronto

Second Year.

Acton, L. T.....Toronto
Allan, H. G.....Regina, Sask.
Allison, Miss H. E.
Burnhamthorpe
Anderson, Miss A. A.....Toronto
Angus, Miss O. C.....Toronto
Arbogast, E. C.....Sebringville
Atkin, Miss E. L.....St. Thomas
Austin, A. E.....Toronto
Barter, J. D.....Grimsby
Beatson, Miss M. L.....Granton
Bell, A. E.....Clearwater, Man.
Belton, Miss M.....London
Bethune, H. W....Winnipeg, Man.
Black, D.....Toronto
Boyd, H. A.....Sutton
Bridgman, Miss M. L.....Welland
Broley, C. H.....Toronto
Bruce, Miss H. M.....Toronto
Bull, J. H.....Brampton
Bunt, W. H.....Owen Sound
Burroughes, C. R.....Toronto
Campbell, C. E.....Ottawa
Campbell, J. G. A.....St. David's
Carpenter, Miss I. M....Hamilton
Carrier, Miss J. B.....Toronto
Carruthers, E. B.....Toronto
Carter, G. D.....Port Colborne
Cavell, J. H.....Toronto
*Clipperton, W. H.....Toronto
*Coad, Miss H. G.....Lindsay
Colquhoun, G. M....Vankleek Hill
Cooke, B. L.....Battleford, Sask.
Corman, J. W.....Stoney Creek
Cowan, Miss E. J.....Seaforth
Cowan, J. Jr.....Sarnia
Cowdry, E. V.....Waterford
Coyne, H. E. B.....St. Thomas
Coyne, Miss M. A.....St. Thomas
Cringan, R. E.....Toronto
Cruickshank, Miss L. E.
Matsqui, B.C.
Davis, E. C.....Toronto
Davis, Miss J. P.....Toronto
Dempster, A. J.....Toronto
Dewar, A. M.....Milltown, N.B.
Dougherty, Miss A. C....Mitchell
Dulmage, Miss A. J...Palmerston
Eakin, R. C.....Corbetton
Earp, W. A.
Northgate, Pontefract, Eng.
Emmet, A. G.....Bletchley, Eng.
Evans, R. R.....Toronto
*Fairbairn, Miss M.....Toronto
Fechnay, Miss J. H.....Dundas
Firth, T.....Edge Hill
Fisher, J. C.....West Flamboro'
Foster, Miss M. M.....Windsor
Fraser, C. G., Jr.....Toronto
Fraser, D. G.....Toronto
Gartlan, Miss B.....Stayner
Gillies, Miss A. M.....Toronto
Gordon, Miss E. H.....Toronto
Gordon, M.....Tottenham
Graham, Miss A. E.....Lindsay
Granatstein, A. . . ..Toronto
Gunn, Miss I. G.....Clinton
Hall, Miss N. B.....Bowmanville
Hanley, T. R.....Midland
Harper, Miss Z.....Peterborough
Harris, H. K.....Toronto
Helliwell, P. V.....Toronto
Herbison, Miss A.....Sand Bay
Herridge, W. D.....Ottawa
Hocking, W. J.....Cromarty
Hodgson, J. E.....Toronto
Holt, Miss M. C.....Toronto
Hooper, A. G.....Lindsay
Hurd, Miss M. M.....Toronto
Hutchinson, J. M....Bowmanville
Ireland, Miss H. K..East Toronto
Jackson, Miss A. M.....London
Johnston, E. F.....Mooretown
Jordan, Miss S. A.....Lindsay
Kennedy, G. N.....Toronto
Kilpatrick, G. G. D.....Toronto
Kister, C. O. E.....Chippawa
‡Langstaff, J. M.....Toronto
Lansdell, H. C.....Humber
LeSueur, N. L.....Sarnia
Liezert, M. E.....Bronseville
Livingston, J. M.....Baden
Lloyd, H.....Toronto
Lowe, T. N.....Bear Brook
McCalla, A. I.....St. Catharines
McCullough, J. S...Walter's Falls
MacCurdy, Miss J. C.....Toronto
McDougall, E. G.....Toronto
McDougall, Miss M. O.Hintonburgh
McEwing, A.....Calgary, Alta.
MacFayden, Miss M.....Caledon
McKelvey, Miss B. W....Brussels
‡McKenna, Miss J. B..St. Thomas
McLaughlin, Miss M.....Toronto
McLean, C. V.....Port Perry
McLean, P. S....Toronto Junction
Maclennan, Miss K. M...Lucknow
MacLennan, S.....Toronto
MacMillan, E. G.....Toronto
McMillan, W. J.....Nassagaweya

McRae, Miss S. E.....Toronto
MacRobert, Miss E. M....London
Malone, T. B.....Toronto
Mather, S. P.....Toronto
Matheson, Miss H. G.
New Glasgow, N.S.
‡Mathieson, Miss E.....Toronto
Mehr, S. M.....Toronto
Mills, T. W.....Corbetton
Morrow, E. L.....Toronto
Mulock, W. G....Winnipeg, Man.
†Nancekivell, H. W.....Ingersoll
Nancekivell, T. W.....Woodstock
Nesbitt, M'.....Woodstock
Newland, H. C..High River, Alta.
O'Grady, G. F. deC.
Winnipeg, Man.
Park, F. S.....Toronto
Pollock, M. A.....Toronto
Preston, Miss J. M.....Stratford
Price, H. S.....Toronto
Quail, Miss M. F.....Toronto
Raney, E. F.....Toronto
Roberts, Miss I. M.....Toronto
Robertson, Miss E. V. E.
Little Britain
Robertson, W. G.....Toronto
Robinson, C. H.....Dutton
Robinson, F.....Dutton
Robinson, Miss W. E..St. Thomas
Rooney, Miss A. M.....Toronto
Rothery, Miss J. E..Niagara Falls
Rowntree, Miss A. E...Davenport
Roy, L. A.....Moosomin, Sask.
Sangster, W. J.....St. Catharines
Scott, C. M.....Listowel
Scott, Miss E.....Drew Station
Scott, S. W. C.....Hamilton
Sheppard, A. M.....Paisley
Sherwood, Miss E. A.....Napanee
Shields, H. J.....Mount Albert
Shortreed, W. J.....Toronto
‡Simpson, J. M.....Peterborough
Sinclair, G. M.....Toronto
Singer, F.....Toronto
Skeeles, L. O.....Toronto
Smith, G. M'.....Calgary, Alta.
Speers, A. A.....Toronto
Stalker, G. B.....Walkerton
Staples, Miss E. M..New Liskeard
Stephen, W. J.....St. Marys
Stewart, D. H.....Ailsa Craig
Sutherland, Miss M.,
Vancouver, B.C.
Swain, J. M.....Stratford
‡Taylor, A. E.....Peterborough
Tompkins, S. R.....Brockville
Tuer, J. A.....Mitchell
Turner, H.....Saskatoon, Sask.
Van Duzer, Miss L. M....Winona
Watson, Miss E. M.....Toronto
Webster, Miss M. A. R.
Beresina, Sask.
Westman, Miss G. M.....Toronto
White, J. H.....Nottawa
Whittemore, W. L...Chicago, Ill.
Wilson, W. A.....Ottawa
Wishart, D. E. S.....Toronto
Wyatt, J. M.....Springbank
Young, R.....Binbrook

First Year.

Adams, J. H.....Toronto
Allan, J. S.....Guelph
Ames, R.....Balmy Beach
Anderson, Miss C.....Lindsay
Anderson, P. M.....Belleville
Anger, H. D.....Toronto
Armstrong, C. H. A.....Ottawa
*Ayers, Miss M. S.....Beamsville
Banks, Miss H. D.....Toronto
Barber, F.....Toronto
Barker, Miss N. I.....Toronto
‡Barton, A. R.....Toronto
†Beecroft, J. D.....Soyna
Bell, Miss I. M.....Toronto
Best, C. H.....Mount Pleasant
Bickford, L. D.....Dundas
Birkett, R.....Niagara Falls S.
Blackstock, G.....Toronto
Blodgett, G. A.....Roseneath
Bocking, W. R.....Port Arthur
Bonnar, Miss M. O.....Toronto
Bracken, G. R.....Orangeville
Breslin, L.....Toronto
Brewing, W.....Toronto
Brodey, A.....Toronto
Brown, H. A. W.....Toronto
Brown, M. E.....Dunnville
Brydon, Miss J. G.....Morden
Buchanan, J. E....Calgary, Alta.
Burnham, S. S.....Toronto
Burns, Miss O. M.....Toronto
Burroughs, G. H. V.....Ottawa
Burroughs, H. C.....City View
Burt-Gerrans, J. T.....Toronto
Cadow, P. R.....Toronto
Cairns, Miss J.....Huntsville

Cameron, D. L....Winnipeg, Man.
Campbell, Miss M. I.....Toronto
Carlyle, Miss M. J.....Toronto
Casselman, Miss H. W....Toronto
Chapman, Miss M. M.....Toronto
Christie, W. J.....Orillia
Clark, Miss M. J.....Toronto
Coats, Miss M. F.....Goderich
Colclough, J. H.....Clinton
Coleman, R. E.....Toronto
Conn, H. A. L.....Ottawa
Connolly, Miss R. E.....Toronto
Coon, Miss A. A.....Weston
Cooper, Miss E. V.....Clinton
Cotton, J. L.....Condie, Sask.
*Coulter, C.....Thornton
Craigie, E. D.....Toronto
Culham, J.....Tormore
Culver, G. W.....Winnipeg, Man.
Cunningham, Miss S. A...Toronto
Curran, W. H.....Orillia
Dalrymple, Miss I. M.....Toronto
Davis, E. C.....Hartford
Davis, Miss E.....Hensall
DeVaney, J. A.....Toronto
Dean, T. N.....Hamilton
Dickson, Miss H. M.....Brantford
Dickson, Miss A. I.....Seaforth
Dixon, L. A. H.....Toronto
Doherty, W. E.....Buffalo, N.Y.
Doig, P. A.....Montreal, Que.
Douglas, J. H.....Toronto
Driscoll, H. A....Winnipeg, Man.
DuVernet, H....Toronto Junction
Dwight, T. W.....Toronto
Easson, K.....Brantford
Eastlake, W. H.....Ridgetown
Edwards, Miss E.....Toronto
Elliott, Miss C. L.....Toronto
Fairty, Miss R.....Toronto
Farrington, Miss M....Woodstock
Fletcher, J. A.....Fletcher
Foster, A. H.....Windsor
Fothergill, G. J.....Whitby
Fry, A.....Toronto
Garrow, J. U.....Toronto
Gilmour, A.....Brockville
Gooderham, J. L.....Toronto
Goulding, A. M.....Toronto
Graham, Miss L. C.....Galt
Gray, Miss S. H.....Toronto
Green, Miss W. F.....St. Thomas
Greene, A. D.....Orillia
Greene, H. H. K.....Orillia
Grosch, H. E.....Milverton
Hall, H. C..Fort Qu'Appelle, Sask.
Hallam, T. D.....Toronto
Hamilton, Miss M. M.....Toronto
Harrison, T. R.....St. Marys
Hart, H.....Hampstead
Hart, R. R.....Toronto
Hassard, F. R.....Toronto
Hay, H.....Dunnville
Helson, Miss M. J.....Toronto
Henderson, C. B.....Toronto
Hewetson, A. R.....Toronto
Hicks, W. J.....Kars
Hill, L. R.....Ohsweken
Hodgson, R. O.....Granton
Hopkins, J. B.....Niagara Falls
Howitt, A. H.....Toronto
Huggins, J. N.
Avonca, Trinidad, B.W.I.
Hunter, T. T.....Toronto
Hutchinson, F.....Sarnia
Hutchison, Miss S.....Chatham
Jackson, J. A.....Cottam
Katz, M.....Toronto
Keith, G. A.....Toronto
Kemp, Miss H. B.....Toronto
Kennedy, C. E. D.....Fruitland
Kerr, J. H.....Henfryn
Kerr, S. C. S.....Toronto
Keys, N. A.....Toronto
Krol, V. T.....Toronto
Kuth, D. F.....Toronto
Lailey, Miss M. B.....Toronto
Lane, R. W.....Calgary, Alta.
Larkin, S. A.....Nobleton
Latimer, G. W.....Toronto
Lawrence, Miss J. G.....Toronto
Leary, E. J.....Britannia
Livingston, Miss F. W....Toronto
Lucas, J. G.....St. George
Luce, C. E.....Gloucester, Eng.
Lunney, J. W.....Lindsay
Lyon, Miss L. L.....Guelph
McAlister, Miss K. M.....Toronto
McClenahan, R. R.....Waterdown
McColl, Miss D. M.....Toronto
McDiarmid, R. J.....Fingal
Macdonald, A. W.....Toronto
McDonald, Miss E.....Toronto
Macdonald, G. A.....Brantford
Macdonald, H. H. R.....Toronto
McFarlane, D.....Toronto
MacFarlane, H. H....Tillsonburg
McGugan, D.....Strathroy
MacKay, Miss O. P....Woodstock
MacKenzie, D. H.....Kemble
McLarty, N. C.....St. Thomas
McLaughlin, L. J.....Toronto
McLay, J. F.....Woodstock
Maclean, H. J.....Toronto

McNab, H.....Belleville
McNett, J. S.....Hornell, N.Y.
McPhedran, F. M.....Toronto
McQuarrie, E. C.....Valetta
†MacVannel, D. E.....St. Marys
Mabon, W. S.....Toronto
Marter, F. M.....Toronto
Martin, Miss F. A.....Toronto
Massey, C. V.....Toronto
Mavor, Miss D.....Toronto
Meader, Miss S.....Toronto
Mills, R. E.....Toronto
Mitchell, D.....Brantford
Moffat, A. B.....Toronto
Mole, W. H.....Toronto
Morley, E.....Hamilton
Morton, B. R.....Toronto
Mothersill, E. J.....Georgetown
Moyer, L. C.....Preston
Newton, W. L.....Toronto
Northcote, R. S.....Toronto
Nott, E. D.....Toronto
Oakley, Miss G.....Stratford
O'Brian, K. B.....Toronto
Orton, A. S.....St. Thomas
O'Sullivan, P. M.....Toronto
Parker, H. A.....Blairton
Patterson, Miss A. M.....Toronto
Peart, Miss M. D.....St. Thomas
Pickering, H. V.....Winona
Porte, A. H.....Oakville
Potvin, Miss M. E.....Midland
Price, G. C.....Gore Bay
Ramsay, J. A.....Hamilton
Rankin, Miss L. M.....Toronto
Rankin, R.....Toronto
Richardson, E. A.....Toronto
Richardson, G. B.....Toronto
‡Richardson, S.....St. Catharines
Robertson, A. D.....Everton
Robertson, H. J.....Kelvin
Robson, N. B.....Glen Morris
Rochester, Miss L. E.....Ottawa
Rogers, Miss B. F. C.
Toronto Junction
Rogers, Miss M.....Toronto
Rose, W. G.....Elora
Rose, Miss I. G.....Toronto
Ross, J. F.....Nanticoke
Rothwell, Miss A. G.....Toronto
Rush, Miss M. M.....Toronto
Russell, Miss K. B.....Markham
Ryerson, J. E. E.....Toronto
Sage, W. N.....London
Scilly, Miss M. H.
Air Line Junction
Scott, H. D.....Toronto
Scott, W. G. S.....Toronto
Semple, Miss G. M.....Toronto
Senior, E. H.....Exeter
Shachnove, N.....Hamilton
Shaw, J. J.....Hespeler
Sheppard, E. C.....Toronto
Shirley, J. A.....Watford
Sifton, W. B.....Ottawa
†Silcox, R. P.....Toronto
Sims, Miss V.....Toronto
Sinclair, L. M.....Perth
Singer, J.....Toronto
Smith, I. R.....Toronto
Smith, Miss M. I.....Toronto
Smith, R.....Toronto
Smithson, Miss A. L.....Graystock
Struthers, E. B.....Galt
Stuart, H. J.....Toronto
Stupart, Miss E. D.....Toronto
Sugarman, E.....Strathcona, Alta.
Sutherland, Miss C. A.
Vancouver, B.C.
Sutherland, J. A..Vancouver, B.C.
Swinarton, Miss J.....Toronto
Symmes, B. H. L..Niagara Falls S.
Thompson, R. F.....Brockville
Tibb, J. C.....Eglinton
Tovell, H. M.....Toronto
Transom, E. J.....Hamilton
Treadgold, Miss H. A.....Toronto
Trivett, W. M.....French Village
Turner, A. C.....Toronto
Tyrrell, Miss M. L.....Toronto
Tytler, N. D.....Toronto
Urquhart, Miss E. L.....Toronto
Valens, Miss M. G..Binscarth, Man.
Wagstaff, Miss E. M.....Toronto
Walker, R. F.....East Toronto
Warren, D. A.....Hamilton
West, M. H.....Campbellford
White, R. L.....Pembroke
Whiton, Miss D. E.....Toronto
Whyte, Miss M. I.....Ottawa
Wilkinson, J. E.....Morpeth
†Williams, B.....Toronto
Williams, Miss G.....Toronto
Williams, Miss J. M.....Toronto
Williamson, Miss A. M.....Guelph
Williamson, J. D.....Appleby
†Wodehouse, Miss L. B..Deer Park
York, H. S.....Waterford
Zuern, Miss E. M.....Toronto
Zuern, Miss M. E.....Toronto

Occasional Students.

Acton, C. S., 1.....Toronto
Ahenakew, A., 1..Mont Nebo, Sask.
Ahenakew, E., 1..Mont Nebo, Sask.
†Ackers, Miss G., 4.....Toronto
Allison, W. C., 1.
Brooklands, Cheshire, Eng.
Armington, Miss H. W., 4.
Cambridge, Mass.
†Armstrong, Mrs. A. E., 4.Toronto
Atkinson, J. H., 1,
Kilmore, Richhill, Ireland
Austin, Miss H. E., 1.....Toronto
Bain, H. A., 3.....Goderich
*Balfour, Miss O. K., 1...Toronto
Ballantyne, Mrs. E., 4....Toronto
Ballantyne, Miss M. E., 1.Toronto
Berlis, H. A., 4.....Toronto
Burch, E. C., 4..... ..Toronto
Burnham, Miss M. V., 4 .Toronto
Bythell, J. R., 1.....Toronto
Carmen, Miss M. E., 4....Iroquois
Cassels, Miss A., 2.....Toronto
Chadwick, Miss E. G., 4...Toronto
Clarke, Miss I. L., 1.....Toronto
Cocking, Miss M. E., 2....Toronto
Cooper, J. A., 1.....St. John, N.B.
Cornell, Miss M. W., 2,
Pheasant Forks, Sask.
Cosby, Miss E. S., 2.....Toronto
Crarey, W.. 3,
Dalton-in-Furness, Eng.
Dafoe, Miss M. N., 4.....Madoc
Day, H. L., 1.....Toronto
de Foë-Wagner, B. N., 4.Pickering
Despard, G. S., 2.....Picton
Dockray, Miss M. E., 4....Toronto
Duncan, G. R., 2.....Stouffville
Eakins, H. O., 2.....Toronto
Earp, E. C., 4.....Toronto
*Fairbairn, Miss F. I., 1..Toronto
†Forster, J. C., 4.....Toronto
Foster, Mrs. J. W. P., 4...Toronto
Galbraith, Miss E. B., 1...Toronto
Gillman, Miss M. E., 1....Toronto
Glionna, A. M., 2.....Toronto
Glover, Miss M. B., 4.....Toronto
Goldie, Miss T. L.....Toronto
Grant, Miss E. E., 4.....Toronto
Grimshaw, W. S., 2.....Kingston
Gray, E. D., 1.....Toronto
Hagarty, Miss A. B., 1....Toronto
Hager, Miss H., 1.....Hagersville
†Harris, W. J. E., 1,
Milford Haven, Wales
Helson, Miss O. A., 1.....Toronto
Hornby, F. B., 3.....Woodstock
Hoskin, Miss F. E.....Toronto
Inwood, N., 1.....Toronto
Johnston, A. J., 3.Dartmouth, N.S.
Johnstone, H. F., 1.....Kippen
Keith, Miss A. E., 2.....Toronto
Kent, Miss G. B., 1.....Toronto
Keys, A. B., 3.....Woodbridge
Kinnear, R. B., 1.....Toronto
Lake, E. E., 2.....Toronto
Landon, Miss M. B., 4....Iroquois
Langlois, Miss H., 4.....Toronto
Lewis, Miss F. M., 4.....Toronto
Linton, A., 1,
Douglas, Cork, Ireland
Little, Mrs. L., 4.....Toronto
Lofthouse, J., 3.....Kenora
Lyons, Miss G., 1.....Toronto
Macfarlane, Miss F. H., 4.Toronto
McFarlane, Miss G. L., 4..Toronto
MacKay, G. W., 2,
Tamsui, Formosa, Japan
MacKenzie, Miss S. J., 1...Ottawa
Mackenzie, Miss V. C., 3..Toronto
McKinley, Miss M. J., 1..Toronto
Maclennan, Miss F., 2....Toronto
McPherson, Miss G. B., 4..Toronto
McTavish, Miss J. C., 1...Toronto
Malcolm, W. J., 1....Cedar Grove
Mandellof, F. I..Ekinas-in-Finland
Marshall, J. F. J., 2....Deer Park
Massey, Miss R. L., 1.....Toronto
Millman, Miss M. L., 4....Toronto
Morison, Miss M., 4.....Toronto
Nichols, C. W., 4...St. John, N.B.
Norseworthy, Miss O. A., 4,
St. Thomas
Owen, D. T., 1.....Toronto
Parchment, W. M., 1.St. Catharines
Parkinson, Miss J. R., 2..Toronto
†Parlow, Miss H. C.....Toronto
Petersen, Miss G., 2.....Toronto
Pinkerton, Miss A. I., 1...Toronto
Pounder, I. R., 1.....Pembroke
Povell, G. P., 1....Midhurst, Eng.
Powell, A. H., 1.....Port Elgin
Powell, Miss M. R., 4.....Toronto
Proudfoot, Miss B. M., 1..Toronto
Purdie, J. E., 4,
Charlottetown, P.E.I.
Ramsden, Miss F., 1..Port Colborne
Rankin, Miss G., 3.....Toronto
†Rennie, Miss M., 4.....Toronto
Ronan, Miss G., 4.....Toronto
Saywell, G. F., 1.....Toronto

Scott, Miss H. E., 4.....Toronto
Sheppard, Miss L. E., 2...Toronto
Shortreed, Miss W. H., 1..Toronto
Slack, A. E., 1.....Mono Road
Snow, Miss K. F., 1.....Toronto
Snowden, C. E., 2.....Nanticoke
Spriggs, G. T., 4...Southsea, Eng.
Stark, Miss G. L., 1.....Toronto
Strathy, Miss M. A. G., 1..Toronto
Street, Miss E. deL., 2....Toronto
Stuart, Miss J. M., 2.....Toronto
Tackaberry, Mrs. B., 4....Toronto
Tate, Miss G. H., 1.....Toronto
Taylor, Miss D. M., 2....Toronto
Thomas, Miss M. L., 4,
St. Catharines
Thompson, Miss G. I., 1..Toronto
†Tisdale, Miss A., 4.....Lyndoch
Tomalin, W., 1.....Onion Lake
Vogt, Miss W. H., 1.....Toronto
von Pirch, Miss L., 1.....Toronto
Watkins, A. H. F., 3.St. John, N.B.
†Wood, Miss I. J. S., 4...Toronto
Wrong, Miss M., 4.....Toronto
Yamazaki, Tomokiaki,
Nagoza, Japan
Yeomans, Miss E. L., 2....Toronto

Household Science.

Fourth Year.

Stewart, Miss M. M.....Clinton

Second Year.

Hall, Miss N. B.....Bowmanville

Commercial Course.

Buchanan, N. S., 1,
Morristown, Penna.
Frost, E. A., 1
Germantown, Phila., Penna.
Laird, R. S.....Toronto
Ogden, A. U., 1.....Toronto
*Peacock, H. W., Jr., 1,
Atlantic City

VICTORIA COLLEGE.

First Year.

Adams, L..New Westminster, B.C.
Allin, A. E.....Parkhill
Allin, E. C.....Lindsay
Archibald, Miss B. R.....Toronto
Barlow, F. J.....Guelph
Black, A. E.....Rosemont
Black, W. E.....Sundring
Bowell, Miss F.,
New Westminster, B.C.
Bowerman, E.....Bloomfield
Bowers, Miss A. M.....Mohawk
Brewster, Miss C.....Brantford
Bridgman, C. A.....Winona
Brown, C. C.....Stayner
Brown, C. P.....Paris
Buchanan, F. G....Calgary, Alta.
Burt, A. L.....Toronto Junction
Clark, Miss N. L.....Picton
Coatsworth, R. G.....Toronto
Colclough, W. H.....Riverview
Coo, Miss M. E.....London
Cook, Wm. H.....Atherton
Cooper, A. R...Brinston's Corners
Cordingly, Miss M. L.....Oakville
Crewes, Miss M. E.....Toronto
Crocker, R.....Toronto
Davidge, E.....Toronto
Davidson, Miss M. P...Burlington
Davison, Miss H. L.....Picton
Dawson, Miss E.....Baillieboro
Dawson, Miss M.,
Maple Creek, Sask.
Dean, D. E.....Terra Nova
Doxsee, L. A.....Brookside
Durnin, E. W.....Dungannon
Easton, R. L.....Cannifton
Ferguson, J. B.....York
Ferguson, Miss M. G.....York
Flavelle, A. D.....Lindsay
*Forsyth, Miss D. F.....Berlin
French, C. G.....Toronto
Frost, H. A.....Dartford
Gillanders, Miss H.,
New Westminster, B.C.
Gilson, J. H.....London, Eng.
Goddard, J. A.....Galt
Grant, G. C....May Pen, Jamaica
Grayson, Miss E. K.,
Moose Jaw, Sask.
Green, L. M.....Orangeville
Gundy, J. R.....Scotland
Hay, Miss L. M.....Toronto
Henderson, Miss L. I.....Toronto
Henderson, Miss B. G.....Toronto
Henry, Miss L. E.....Thornton
Hetherington, F. E..St. Catharines
Jewett, O. V.....Lambeth
Johnston, J. O.....Queensville
Johnstone, H. F.....Kippen
Kerr, A. B.....Toronto
Kirby, L. H.....Oshawa
Laidley, LeRoy.....Nanaimo, B.C.
Laycock, E.....Deloro
Leitch, D.....Belleville
Leitch, Miss I. M.....Toronto
Lukes, Miss K.....Bradford
McCamus, J. A.....Odessa
McCrae, Miss E.....Brantford
Macklin, J. V.....Fenella
MacNiven, Wm. E..Mount Forest
Manning, H. K.....Peterborough
Marshall, A. M.....Strange
Middlebrook, Miss F.....Elmbank
Midford, Wm. B.....Toronto
Miller, Miss G. E. C.....Hanover
Milton, Miss B. L.....Ridgetown
Moore, W. T.....Stouffville
Morris, J. F. G.....Elm Grove
Oliver, G.....Winona
Palmer, Miss E. G.,
Salmon Arm, B.C.
Pearson, J. J.....Ethel
Peck, A.....Belleville
Pentland, Miss E,
New Westminster, B.C.
Plewman, H. E.....Toronto
Pound, A. C.....Vernon, B.C.
Quance, F. M....Mayoville, Alta.
Richardson, Miss E. M....Toronto
Richardson, L. M.....Russellton
Rogers, S. O.....Mount Forest
Rutherford, H. A.....Toronto
Shipman, G. W. S.....Toronto
Shorey, Miss A. E.....Oshawa
Smith, Miss L. H.....Toronto
Smith, C..New Westminster. B.C.
Sproule, G. P.....West Brook
Sproule, H. F....Toronto Junction
Stanley, Miss A. M.....Lucan
Staples, F. J. R.....Lindsay

Steele, W. A.....Belleville
Stripp, Miss E.....Kingsmill
Thomas, H. T.....Queensboro
Thompson, W. P.....Hagersville
Tilson, F. L.....Tehkummah
Tink, A. E.....Columbus
Van Blaricorn, E.....Belleville
Van Derwater, R.....Chersterton
Washington, C. C.....Barrie
Watson, A. J.....Tara
Westaway, W. J.....Kemble
White, J. T.....Birr
White, E...New Westminster, B.C.
Willoughby, H. A. G.....Beeton
Winter, Miss L.....Wicklow

Second Year.

Allin, C. G.....Parkhill
Arnup, J. H.....Aylmer (West)
Avison, H. W.....Simcoe
Baker, W. R.....Smithville
Birnie, Miss C. M....Collingwood
Bradley, W. L.....Mount Forest
Buchanan, G.....Brussels
‡Cassmore, G. S.....Brantford
Chubb, Miss A..Toronto Junction
Clark, Miss E. A.....Merrickville
Clement, W. P.....Berlin
Cline, G. A.....Appleby
Colling, Miss B. P.....Durham
Colwell, T. C.....Kinlough
Connolly, C. F.....Mallorytown
Copeland, G. G.....Toronto
Crane, Miss F.....Elgin
DeBeck, H. C.,
New Westminster, B.C.
Deeth, P. E.....Toronto
Delahaye, Miss O. M....Pembroke
Dix, G. H.....West Hill
Doan, A. E.....Watford
Drew, Miss J. E.,
New Westminster, B.C.
Dunnett, Miss C. B....Dundonald
Durnin, E. H.....Floral, Sask.
Edge, H. P. A.....Owen Sound
Ewing, C. I.....Cobourg
Finch, O.....Victoria, B.C.
Gale, Miss M. E..Waterville, Que.
Ganton, D. W.....Hillsdale
German, Miss C. E.....London
Graham, H. E.....Lindsay
Grange, Miss G. I.....Napanee
Guinn, J. L.....Walkerton
Gullen, F. C.....Brantford
Gullen, G. E.....Grandview
Gundy, C. R.....St. Thomas
Hawtin, R. R.....Newmarket
Hayes, Miss E. M.....Toronto
Hayes, I. D.....Toronto
Haynes, A. C.....Calgary, Alta.
Hemmingway, H. E..Aylmer, West
Hewitt, Miss C. E.....Orangeville
Hill, Miss I. E. A. M.....Toronto
Hill, Miss L. B.....Toronto
Hobbs, A. B.....Toronto
Honey, W. E.....Little Britain
Horning, J. E.....Cobourg
Howlett, W. M.....Creekbank
Hurlburt, Miss M. M.....Mitchell
James, E. C.....Perth
Johnston, E. F.....Toronto
Kerr, Miss R.....Vancouver, B.C.
Kirby, W. J.....Toronto
Kitt, A. N.....Lucan
Knox, Miss W. J.....Lyn
Laird, J. S.....Caledonia
Maclaren, Miss G. W.....Toronto
McClelland, J. C.....Toronto
McKenzie, J. V.....Toronto
Manning, H. G.....Peterboro
Miller, M. A.....Hanover
Morrison, H. L.....Brockville
Moyer, F. C.....St. Catharines
Mullin, C. A.....Moulinette
Ockley, J. R. K.....Barrie
Phillips, Miss M.....Toronto
Rutledge, G.....Chatham
Sharpe, N. C.....New Credit
Shaw, W. G.....Toronto
Shilton, J. T.....Toronto
Smith, A. L.....Toronto
Smith, H. G.....Port Dover
Smith, Miss S. A.....Barrie
Spence, Miss N. K.....Toronto
Spencer, Miss A. E..Victoria, B.C.
Stanley, C. W.....Toronto
Staples, M. H.....Strathroy
Stephenson, G. I.....Toronto
Stevens, Miss M. H.....Napanee
Todd, J. E.....Walkerton
Todd, T. R.....Walkerton
Wallace, Miss M. J. W....Toronto
Welsh, D. A.....Vanessa
Whitlam, Miss I. A...Meadowvale
Zinkan, W. E.....Southampton

Third Year.

Albright, F. S.....Beamsville
Arnott, J. W.....Bolton
Baird, Miss J. F.....Parkhill
Barker, P. W.....Stratford
Bowes, F. N.....Concord
Bowles, A.....Belfast
Broad, Miss L. L.....Wellington
†Brownlee, J. E.....Brigden
Buckingham, G. S.....Maxwell
Butcher, F. H.....St. Mary's
Cass, W. J. M.....Winchester
‡Christie, H. B.....Port Elgin
Coatsworth, E. T.....Toronto
Collis, R. E.....Kingsville
Cooper, A. N.....Galt
Coulter, C. W.....Oil Springs
Courtice, W. N.....Holmesville
Danard, C. H.....Kemble
Davidson, W. W.....Stratford
Domm, E. E.....Alsfeldt
Dougan, H. L.....Davidson, Sask.
Down, C. W.....Exeter
Downey, R. A.....Crookston
Durham, Miss B. M.....Berlin
Foreman, A. O. W.....Hamilton
Govenlock, Miss I.....Hubrey
Halbert, E. J.....Granges
Hildred, Miss E. L....Woodstock
Jamieson, Miss E. C...Morrisburg
Johnston, R. E.....Toronto
Kelly, C. B.....Guelph
Kenny, C. E.....Toronto
Laird, Miss F. E. A.....Caledonia
Lamb, J. B.....Mansfield
Langford, F. H.....Granton
Leece, J. A.....King
Lewis, Miss N.....Balmy Beach
Ley, E. H.....St. Thomas
†Lovering, J. E.....Coldwater
†Mason, Miss P. J.....Toronto
McCubbin, W. A.....Connor
McDonald, N.....Jericho
McKenzie, C. W....Mitchell's Bay
Marshall, A. E.....Toronto
Morley, G. E.....Norwich
Oldham, J. H.....Toronto
Osborne, W. R.....Cottam
Owen, A. E.....Thornton
‡Parlow, Miss H. C.....Toronto
Pinel, Miss H. L.....Sydenham
Raymer, G. C....Toronto Junction
Reany, G. J. A.....Burgoyne
‡Roch, W. F.....Priceville
Sanders, E. G.....Stouffville
Scott, Miss M. C.....Toronto
Sinkins, Miss A. G.....Toronto
Smith, K. H.....Quinn
Steele, G. A.....Vankleek Hill
Stockton, R. P.....St. John, N.B.
Taylor, R. E. S.....Ottawa
‡Woltz, C. H.....Kemble
Wortman, W. B.....London
Wright, C. M.....Palmerston

Fourth Year.

Albertson, W. B.....Oakville
Armstrong, F. W. H.....Toronto
Baker, H. W.....Toronto
Bicknell, Miss L. C...Chicago, Ill.
Bielby, G. H.....Blyth
Biggar, Miss H. A.....Ottawa
Birnie, Miss M. E....Collingwood
Booth, Miss E. H.....Toronto
Brown, W. T.....Lakefield
Bullock, Miss A. C..St. John, N.B.
Bunting, Miss M...St. Catharines
Burgess, Miss I. B.....Union
Carman, Miss M. E.....Iroquois
Carter, E. M.....Harriston
Chadwick, Miss E. G.....Toronto
Coombs, F. E.....Bradford
Cunningham, Miss C. S..Toronto
Dafoe, Miss M. N.....Madoc
Dufton, Miss L. I.....Toronto
Edmison, R. W.....Brighton
Faint, Miss P. B....Peterborough
Ford, C. J.....Corinth
Gundy, Miss M. V.....Scotland
Hall, W.....Parkhill
Hamill, Miss V. M.....Toronto
Hiles, W. L.....Kincardine
Jenkins, E. J.....Clinton
King, G. A.....Guelph
King, G. B.....Toronto
Kilpatrick, I. W.....Mafeking
Landon, Miss M. B.....Iroquois
Lawrence, W. L. L.....Orillia
Logan, C. F.....Ripley
McCrae, Miss M.....Brantford
Macfarlane, A. D.....Toronto
Madden, M. D.....London
Markland, Miss O. N.....Picton

Miles, Miss M. E., La Grange, Ill.
Moore,, E. J.....Acton
Norsworthy, Miss O. A. St. Thomas
Okell, F. S.....Victoria, B.C.
Owen, F.....Thornton
Parker, T. H.....Ivy
Rathman, F. W.....Belleville
Richardson, L. N.....Wallaceburg
Rutledge, J. L..... Chatham
Sheridan, H. J.....Brockville
Trench, W. L.....Richmond Hill
Tribble, J. N.....Shelburne
Wilson, M. E.....Paris
Woodsworth, H. F. Winnipeg, Man.
Wren, David.....Hensall

Candidates for M.A.

Chubb, Miss E. L., B.A., Toronto Junction
Ward, C. F., B.A., Toronto Junction

Candidates for Ph.D.

Booth, A. H., M.A.
Knight, J. F., M.A.

Occasional Students.

Allin, A. E.....Goderich
Archibald, E. B.....Toronto
Bard, J. C.....Bracebridge
Baxter, Miss G. M.....Toronto
Benness, Miss R. A.....Toronto
Biggs, R. L.....Newton, Nfld.
Bowerman, E.....Bloomfield
Bryce, P.....Newfoundland
Burden, Miss A. K.....Toronto
Burwash, P. A.....Toronto
Coleman, Miss H. A.....Toronto
Colwill, E. R.....Exeter
Dixson, W. F.....Tullamore
Dudgeon, J. W.....Toronto
Flynn, A. T.....North Valley
Fry, A.....Toronto
Gawley, Miss A. J.. ....Toronto
Gilverson. Miss F. E.....Toronto
Graham, Miss R.....Toronto
Griffiths, Miss H.....Welland
Hamer, Miss C.....Toronto
Hay, Miss M.....Toronto
Howson, J. E.....South Dummer
Hutchison, Miss G. A.....Toronto
Irwin, W. S.....Toronto
Isaac, Miss L. M.....Toronto
Johnston, Miss M.....Chesley
Landers, Miss I. M.....Toronto
Lee, Miss O. M.....Toronto
Lovering, H. S.....Coldwater
Luttrell, Miss H. V.....Toronto
McKay, T.....Toronto
McRoberts, L. C.....Toronto
Maclaren, Miss E. G.....Toronto
Maclean, Miss M. L.....Don P.O.
Magee, F. A.....Toronto
Magwood, Miss J. S.....Toronto
Mills, Miss O. G.....Toronto
Neff, Miss L. M.....Toronto
New, R. H.....Toronto
Parker, Miss I. M.....Toronto
Porte, Miss L.....Picton
Quirmbach, A.....Toronto
Rannie, Miss I.....Toronto
Roberts, Miss E.....Toronto
Robinson, B. H.....West Lorne
Ross, Miss J. M.....Toronto
Rowland, E. W.....Omemee
Rutherford, Miss H. O....Toronto
Salmon, Miss M.....Toronto
Sheppard, Miss E. I.....Toronto
Sherris, Miss G. I.....Toronto
Smith, J. K.....Brampton
Toye, E. H.....Lambton Mills
Vokes, Miss G. E.....Toronto
Willans, H.....Arkona
Wilson, J. E.....Tullamore
Young, A.....Tilt Cove, Nfld.

Students in Household Science.

Fourth Year.

Graham, Miss H. S.....Toronto
Grange, Miss G. E.....Napanee
Keagey, Miss M. D.....Dundas
Paul, Miss H. A.....Toronto

Third Year.

Bearman, Miss K. F.....Ottawa
Gibbard, Miss F. V.....Napanee
McDonald, Miss M. S.....Tara

Second Year.

Davis, Miss M. R.....Toronto
Denne, Miss L.....Peterboro
Fleming, Miss R.....Toronto
Hyland, Miss I.....Toronto

First Year.

Campbell, Miss K....Collingwood
Forsyth, Miss D.....Berlin
Mills, Miss R. E.....Toronto
Ockley, Miss L. L.....Barrie

Students in Applied Science.

First Year.

Henderson, R...Westminster, B.C.
Humphreys, W. B.Vancouver, B.C.
Kirkpatrick, R.....Ferguson, B.C.
Malda, T.....Japan
Turner, W.....Westminster, B.C.

Summary:

First Year Students	110
Second Year Students	90
Third Year Students	66
Fourth Year Students	56
Graduates for M.A.	2
Graduates for Ph.D.	2
Occasional Students	58
	384

TRINITY COLLEGE.

First Year.

Alley, Miss R. F.....Toronto
Andrews, G. S.....Toronto
Archibald, R. H.....Seaforth
Aylmer, Miss M. D..Peterborough
Beasley, J. D.....Hamilton
Bedford-Jones, H. J. O'B,
Petosky, Mich.
Blyth, W. S.....Ottawa
Boulden, R. M.....Eglinton
Bradstock, A.,
Hartford, Devon, Eng.
Breadon, L. H. M.....Toronto
Brock, A. F.....St. Williams
Clarke, H. E....Toronto Junction
Dawson, E. C.
Teddington, Middx., Eng.
Dixon, Miss H. I.....Trenton
Dixon, J. H.....Iroquois
Donovan, J. A.....Athens
Forneret, G. R.....Hamilton
Gillespie, Miss M. A.....Seaforth
Gregory-Allen, Miss L....Gregory
Haines, R.....Parry Sound
Harrington, E.....Kemptville
Hicks, Miss M. A.....Toronto
Hiscocks, H. G.....London
Johnson, A. J.....Toronto
Jones, R. A.....Aultsville
Kelley, Miss A. L.St. Joseph, Mich.
Lestock-Reid, E. N.
Prince Albert, Sask.
‡Lowe, W. A.....Toronto
‡McCaw, Miss H. E. A....Watford
Mara, J. L.....Victoria, B.C.
Morley, G. W.....Bradford
Murray, R. St. E.....Cooksville
Phillips, F.....Toronto
Proudfoot, W., Jr.....Goderich
Sills, L. E.....Toronto
Somerville, Miss M. M....Toronto
Storms, T. H. D.....Hamilton
Stuart, C. J. S.....Toronto
Tackaberry, S. F.....Jellyby
Thompson, W. G. O.....Thorold
Wagner, D. P.....Cornwall
Webb, Miss A.....Niagara Falls
Wilkins, Miss V. M.....Norwood
Wilson, E. A. W. H.....Ottawa
Wright, G. G.....Ottawa

Second Year.

Baldwin, P. F.....Toronto
Barker, J. B.....Weston
Bennett, Miss M. W....Brantford
Bond, J. H. M.....Guelph
Clarke, H. E....Toronto Junction
Cook, Miss A. E.....Toronto
Cornock, Miss R. V.....Toronto
Cox, E. H.....Winnipeg, Man.
Flagg, Miss T.....Winona
Ford, W. H.....Hamilton
Gordon, R. K.....Toronto
Hornibrook, S. W. H....Dunnville
Jones, Miss E. A.....Comber
Martin, Miss H. J.....Toronto
Montgomery, Miss V. E,
Frankville
Morris, Miss E. A.....Tottenham
Preston, J. J.....Oliphant
Redick, Miss C. L.....Streetsville
Rossiter, H. P.....St. Thomas
Slemin, E. A.....East Toronto
Smith, A. J.....Campbellcroft
Spencer, Miss F. A.....Jarvis
Spencer, V. C.....Jarvis
Thompson, Miss K. I.
Penetanguishene
Weir, Miss A.....Hamilton
Widdifield, J. G.....Owen Sound

Third Year.

Baker, E. A.....Trenton
Boulden, Miss W. A.....Eglinton
Burgess, W. A.....St. Louis, Mo.
Connolly, B. S.....Yarker
Endacott, Miss F. H...Orangeville
Greenwood, Miss G. C. H..Whitby
Gwyn, Miss M. P.....Dundas
Ingles, G. L.....Toronto

Judd, W. W.....Eglinton
Kämmerer, Miss C. E.....Toronto
Lamb, P. M.....Lindsay
McMichael, A. R.....Toronto
Macnaughton, A. C.....Maple
Newton, Miss J. C.....Hamilton
Redman, L. V.....Oil City
Ruthven, Miss E. M.....Toronto
Waugh, Miss E. G. M....Eglinton
Winter, T. B.....Toronto

Fourth Year.

‡Fotheringham, J. B.....Toronto
Simmons, G. E.....Frankford

Occasional Students.

Baggs, Miss E. V., 1.....Toronto
Brewin, G. M., 2.....Toronto
Burgess, Miss M. A. (2).
St. Louis, Mo.
Carter, Miss C. L., 1.Port Colborne
Embree, Miss B. M., 2....Toronto
Embree, Miss W. J., 1....Toronto
Ferguson, Miss A., 1.....
Hunt, Miss H. H., 3.....Brantford
King, T. J., 1.....Cooksville
Morgan, G. M., 1.Toronto Junction
Raikes, W. G., 1.....Barrie
Rous, F. W., 2.....Toronto
Thompson, G. M., 1.....Ashgrove
Tyner, G. St. G., 1.....Toronto
Wadsworth, Miss V. A., 1.Toronto
Wiseman, J. F., 1,
Horncastle, Lincs., Eng.
Young, C. S., 1.....Toronto

Summary:

First Year Students	45
Second Year Students	26
Third Year Students	18
Fourth Year Students	2
Occasional Students	17
Total	108

FACULTY OF MEDICINE.

First Year.

Alexander, H. E..Fredericton, N.B.
Alexander, J. G.....Dunnville
Allen, D. W.....Toronto
Alport, E. B.....Orillia
Armstrong, A. C.....Drayton
Arnold, W. C.....Zepher
Ball, H. deW.....Toronto
Barker, P. W.....Stratford
Beeman, N. T.....Kingsville
Belfry, R. A.....Orillia
Bell, J.....Blyth
Bergman, S.....Toronto
Birchard, C. C.....Coboconk
Brady, R. E.....Lindsay
Brewster, F. A.....Sunderland
Bryans, F. T.....Jamestown
Buck, F. H.....Norwood
Buck, H.....Port Rowan
Burnet, J. M.....Armstrong, B.C.
Burroughs, C. M.....Sudbury
Butterfield, R. M.....Milton
Campbell, F. J.....Arkona
Campbell, J. P.....Arthur
Campbell, R.....Gravenhurst
Chapman, L. D.....Essex
Clark, D. A.....Toronto
Clarke, R. W.....Ballyduff
Clarke, W. A....Toronto Junction
Clegg, G. G.....Trenton
Cook, T. J.....Paris
Crews, W. H.....Trenton
Cruise, W. W.....Port Rowan
Davis, E. C.....Hartford
Davis, H. C.....Toronto
Davis, R. E.....Ivy
DeLaMatter, I..Brown's Nurseries
Dey, W. F. I.....Simcoe
Dickson, I. W.....Toronto
Dickson, J. B.....Waco, Texas
Doherty, Miss M. A.....Eglinton
Eager, J. C.....Waterdown
Elliott, H. M.....Mitchell
Faris, M. N.....Bradford
Feare, W. K.....Seaforth
Ferguson, H. E.....Toronto
Ferguson, W. E.....Toronto
Finn, J. J.....Toronto
Finnerty, E. J. J.....Toronto
Follett, J. V...Western Bay, Nfld.
Forsyth, R. H.....Toronto
Fuller, C. L. R.....Ruthven
Frost, I. F.....Philadelphia, Pa.
Gallie, J. G.....Barrie
Gamey, L. R.....Gore Bay
Geiger, W.....Hensall
George, H.....Port Hope
Gibson, C. C.....Allandale
Gillam, G. J.....Woodstock
Gillespie, A. T.....Galt
Graham, R. R.....Lobo
Guest, Miss E. M.....Elginfield
Hackett, W. L.....Belfast
Hall, M. E.....Gore Bay
Hamilton, G. H. R.....Guelph
Hanna, G. M.....Brantford
Harper, F. S.....Hamilton
Harrington, M. A.....Toronto
Harrison, H. D.....Toronto
Hart, D. C.....Yorkton, Sask.
Harvey, F. R.....Arthur
Henderson, L.....Welland
Henderson, R. H.....Toronto
Henderson, R. St. C...West Lorne
Hicks, T. J.....Corbyville
Hodgson, R.....Granton
Holmes, R. E.....Liverpool, Eng.
Holmes, S. M.....Chatham
Hopper, D. A.....Paisley
Horton, E. M.....Napanee
Hume, W. W.....Green Bay, Wis.
Huxtable, E. W.....Sunderland
Jackes, H. L.....Toronto
Jamieson, R. A.....Mount Forest
Johnston, H. Y.....Woburn
Johnston, R. E.....Toronto
Johnson, H. E.....Barrie
Jupp, J. B.....Belwood
Kay, A. D. W.....Windsor
Kearns, J. A.....Barrie
Keith, M. N.....Toronto
Kelly, C. B.....Guelph
Kenny, Miss M. S.....Toronto
Kirby, T. S.....Arthur
Landes, W. J.....Metz
Lane, R. T.....Sault Ste. Marie
Lawson, A. S.....Guelph
Leahy, B.....Douro
Lee, J. G.....Toronto
Lees, H. D.....St. Thomas
Lemesurier, A. B.....Toronto
Letts, F. L.....Lambeth
Lillie, R. K.....Westport
Livingstone, H. D.....Listowel
Loring, F. W.....Nelson, B.C.
Lowrie, A.....Tillsonburg
Leonard, A. V.....Toronto

Mahlangeni, M. R.Toleni, S. Africa
Mann, J. B.....Bridgenorth
Marlatt, C. R...Portage la Prairie
Meader, Miss M.....Toronto
Menzies, P. K.....Toronto
Mitchell, H. H.....Niagara Falls
Moffatt, H. B.....Toronto
Montgomery, R. R.....Wroxeter
Montgomery, W. G.....Gorrie
Moore, W. T.....Listowel
Moorehouse, V. H. K.....Toronto
Morrison, N. A.....Elmvale
Morrison, R. L.....Campden
Moyle, H. B.....Burlington
Munro, R. W.....Uxbridge
Murray, H. H.....Toronto
McAllister, A.....Hensall
McArthur, E. C.....Greenbank
Macaulay, B. N.....Cairo
McBride, G. F.....Hamilton
McCool, C. J.....Ottawa
MacCurdy, J. T.....Toronto
McDonald, J. A.....Peterboro
McDonough, V. A.....Nashville
McElderry, V. J.....Guelph
McGilvery, F. E. B....Port Rowan
McKay, D. G.....Bradford
Mackay, E. B...Port Huron, Mich.
McKay, R. A.....Ingersoll
McLarty, W. J.....Barrie
McLay, S. M.....Woodstock
McLean, J. M.....Port Hope
McLurg, J.E.....Sault Ste. Marie
McMaster, J. S...South Drummer
McQuibban, J. A.....Harriston
Macdougall, G. L.....Toronto
Nedd, J...Georgetown, Brit. Guiana
Neff. E. A.....Ingersoll
Nettleton, J. M..Penetanguishene
Nicholson, W. F..Flamboro Centre
Niemeier, O. W..Toronto Junction
O'Griffin, L.....McIntyre
Orr, A. J.....Hamilton
Pain, A.....Hamilton
Parker, G. P.....Lumenberg, N.S.
Parr, R. L.....Blackstock
Paton, J. P.....Merritton
Patten, L. A.....Armstrong, B.C.
Pearson, W. E.....Hanover
Peele, S. P..New Westminster, B.C.
Pettman, F. E.....Tillsonburg
Phillips, O. M....Vancouver, B.C.
Phoenix, N. L.....Greenbank
Poirier, J. S.....St. Catharines
Priestman, G.....Marshville
Proud, W. A.....Hespeler
Rankin, M. D.....Toronto
Richardson, Miss A. M....Toronto
Richardson, C. W,
Edmonton, Alta.
Ritchie, A. B....Strathcona, Alta.
Robertson, H. C.....Shallow Lake
Roe, H.....Toronto
Scott, A. G.....Minto, Man.
Selby.....Brantford
Sheard, C.....Toronto
Shields, H. A.....Brampton
Sinclair, A. C.....Toronto
Spence, L. H. B.....Toronto
Stevenson, W. O.....Hamilton
Straith, P. L.....Carnduff, Sask.
Streight, S. J.....Oxford Mills
St. Charles, C. C.....Belleville
Taylor, A. H.....Goderich
Thompson, F. J.....Lucknow
Travis, J. H.....Tillsonburg
Turofsky, H. A.....Toronto
Upton, W. W.....Bowesville
Vernon, E. G.....St. Mary's
Watt, J. C.....Toronto
Weir, M. T.....Rayside
Whyte, M. B.....Toronto
Williamson, G. L.....Lindsay
Woodhouse, Miss K. F....Toronto
Wright, C. S.....Campbellcroft

Second Year.

Adams, F.....Coboconk
Adams, W. F. M.....Toronto
Anderson, G. W.....Toronto
Atkinson, C. F.....Tillsonburg
Baker, H. W.....Toronto
Baldwin, St. G. P.....Toronto
Barrett, R.....Newton
Bayley, R. T..Cayenne, Fr. Guiana
Belfie, G.....Gananoque
Bell, H.....Collingwood
Bell, I. R.....Owen Sound
Bernard, N. A.
Savanna-la-Mar, Jamaica
Boott, K.....Toronto
Boyd, J. S.....Simcoe
Brace, W. D.....Peterboro
Brandon, T. A.....Forest
Bright, R. J. R.....Wiarton
Brown, A. G.....Toronto
Bruels, R. W.....Toronto
Campbell, D. A.....Hepworth
Carnduff, J. M....Carnduff, Sask.

Christian, J. R...Edmonton, Alta.
Christie, Miss J. B...Humber Bay
Clarke, H. M.....Toronto
Collins, F. H.....Peterboro
Culbertson, N. E.....Meaford
Cunningham, J. D.....Sarnia
Currey, D. V.....Toronto
Davis, R.....Staffa
Davis, W.....Onondago
Defries, W. J.....Toronto
Duff, T. A. J.....Cookstown
Eacrett, E. J.....Exeter
Earle, G. N. L.....Omemee
Ecclestone, W. M.....Toronto
Eedy, H. H.....Harriston
Ellis, S.....Windsor
Emerson, H. G.....Wheatley
Emerson, P. J.....Victoria, B.C.
Evans, A.....Virginia
Ewens, H. B.....Owen Sound
Eyres, H. H.....Lindsay
Fish, E. S.....Toronto
Freeland, G. S.....Toronto
Gardner, P. N.....Toronto
Gibson, J. R.....Millbank
Glionna, G. A. J.....Toronto
Graham, J. L.....Ottawa
Gunn, G. C.....Seaforth
Haffey, M. J.....Toronto
Hall, W.....Parkhill
Hannah, B.....Toronto
Harris, E. C.....Kingsville
Harvie, C. A.....Orillia
Hauch, C. D.....Walkerton
Henderson, A. J.
Wychwood Park P.O.
Henderson, E. K.....Toronto
Hinds, F.....Orillia
Holme, H. R.....Oil Springs
Hopkins, B. H.....Lindsay
Irwin, O. M.....Lisle
Jamieson, D. B.....Durham
Jamieson, W.....Wellandport
Johnson, J. A.....Strongville
Kells, G. W.....Palmerston
Kidd, G. C.....Trenton
Lane, R. D.....Kinlough
Leggett, W. G.....Walkerton
Linscott, G.....Brantford
Lunz, G. J.....Drayton
Lynn, R. W.....Calgary, Alta.
Marcy, W. J. M.....Valens
Masten, R. C. D.....Toronto
Miller, R. O.....Chatham
Morgan, E. A. W.....Deseronto
Moshier, H. H.....Sarnia
Murray, J. R. G.....Toronto
Murray, K. M.....Woodstock
MacAlpine, C. D. H.....Lindsay
MacBeth, W. L. C.....Toronto
McBride, C. J.....Egbert
McCaffrey, D.....Madoc
Macallum, A. B.....Toronto
McCort, E. A.....Bolton
McCullough, W. L.,
Sault Ste. Marie.
McDonald, Miss J.,
S. Vancouver, B.C.
McEwen, R. J.....Moffatt
McEwen, S. F.....Gleichen, Alta.
McInnis, J. A.....Manilla
McIntosh, J. A.....Toronto
McIntyre, E. L.....Forest
McLean, W. T.....Lucknow
McPhee, J. D.....Brechin
McQuade, E. A.....Toronto
McTavish, R.....LaVallee
Naylor, A. E.....Essex
Nelson, S. W. H.....Toronto
New, G. B.....Hamilton
Nicholson, H. M.....Toronto
O'Connor, F. J.....Campbellford
O'Neill, K. J.....Arthur
Peart, G. W.....Freeman
Pedlar, W. C.....Lindsay
Penny, W. G.....Toronto
Pentecost, R. S.....Toronto
Philp, G. R.....Hamilton
Pilcher, J. W.....Owen Sound
Pullan, Miss B. T.....Toronto
Rae, E.....Burlington
Richards, J. N.....Warkworth
Robertson, A. G.....Ivy
Robertson, F. N.....Walkerton
Robertson, L. B.....Toronto
Rogers, N. W.....Barrie
Sawdon, T.....Edgeley
Shaw, J. F.....Forest
Simpson, J. A.....Sarnia
Slater, W. D.....Toronto
Smillie, Miss Jennie.....Hensall
Smith, F. C. D.....Oshawa
Smith, R. A.....Hillsdown, Alta.
Solway, L. J.....Toronto
Spohn, P. D.....Penetang
Steinberg, A.....Toronto
Stephen, R. E.....Hamilton
Stone, J. G. R.,
Sault Ste. Marie
Sutherland, Miss G. L. I..
Essequebo, B. Guiana
Sutton, A. E.....St. Thomas
Telford, N.....Valens
Terwillegar, N. L.....Oshawa

Thomas, J. T.....Edgar
Thomas, R. H.....Barrie
Thomas, W. M.....Watford
Totten, C.....Saskatoon, Sask.
Turnbull, H. L.....Atwood
Turrill, V. L.....Aylmer
Tyerman, W. W.....Cranbrook
Tyrer, E. R.....Barrie
Tytler, W. H.....Guelph
Waldron, C. W.....Toronto
Wells, E. R.....Barrie
Wesley, R. W.....Newmarket
Whetham, G. J.....Kirkwall
Williams, L. B.....Toronto
Wray, J. S.....Linwood
Yellowlees, N. J.....Toronto

Third Year.

Anderson, C. E.....Oil Springs
Armour, R. G.....Toronto
Barnet, F. L.....Chippewa
Bates, H. K.....Toronto
Beaver, G. W.....Lewiston, N.Y.
Boyd, E.....Toronto
Boyington, Miss L. F.....Toronto
Bricker, J. G.....Gorrie
Brown, A. H.....Stouffville
Brown, J. B.....Paisley
Brown, P. G.....Toronto
Buswell, R. E.....Centralia
Cairns, L. L.....Huntsville
Campbell, J. A.....Waubaushene
Carswell, D. F.....Elora
Casserly, M. J.....Tottenham
Chamberlain, H. W.....Aylmer
Chapman, F. R.....Essex
Clarke, D. W.....Ballyduff
Collins, A.....NiagaraFalls
Collins, W. C.....Burin, Nfld.
Cottam, J. A.,
Georgetown, Brit. Guiana
Coulter, W. G. G.....Windsor
Craise, O. S.....Petrolea
Crassweller, H.....Sarnia
Culham, H. A.....Hamilton
Daly, H. A.....Napanee
D'Arc, H. T.....Toronto
Davidson, R. E.....Beachburg
Davison, R. O.....Brantford
Day, W. E. C.....Shallow Lake
Dorsey, C. F.....Collingwood
Durnin, R. B.....Dungannon
Edward, Miss M. L.....Petrolea
Ellis, A. W. M.....Toronto
Elmore, C. W.....Springvale
Emmett, H. L.....Fonthill
Fader, W. R.....Windsor
Feldhans, H. W.....Coppercliff
Ferguson, A. D.....Fergus
Ferguson, W. D.....Valetta
Fielding, W. M.....Toronto
Foweller, J. M.....Petrolea
Fox, F. J.....Lucan
Francis, R. B.....Meaford
Galbraith, D. J.....Iona Station
Galbraith, J. L.....Mount Forest
Garrity, J. J.....Caledon
Gibb, W. B.....Toronto
Gideon, C. S.,
Port Antonio, Jamaica
Glanfield, W. J.....Regina, Sask.
Graham, C. W.....Goderich
Green, T. M.....Toronto
Grier, L. A. B.....Dundalk
Hamill, H. E.....Meaford
Hamilton, R. J.....Brinsley
Harkness, J. G.....Irena
Harrison, F. C.....Toronto
Harrison, J. P.....Dunnville
Harvie, W. A.....Orillia
Hawke, M. S.....Melford, Sask.
Haywood, A. K.....Toronto
Hewett, C. D.....Toronto
Hill, C. E.....Toronto
Horton, B. B.....Napanee
Hurst, R. L.....Freeborn
Hyland, G.....Toronto
Jackson, G. P.....Toronto
James, A. B.....Brantford
Jamieson, D. G.....Glenarm
Jamieson, L. F.Birmingham, Mich.
Johnston, T. J.....Carthage
Kelly, B. E.....Bridgenorth
Keyes, J. E. L.....Oakwood
Kinsey, A. L.....Bracebridge
Krupp, W.....New Dundee
Lailey, W. W.....Toronto
Large, O. S.....Poole
Lawson, J. H.....Brampton
Leacock, Miss R. B.....Orillia
Leslie, N. V.....Hamilton
Mabee, W.....Toronto
Mahood, C. S.....Lakelet
Marshall, J. F. S.....Forest
Matthews, R. A. S.....Toronto
Miller, A. H.....Castleton
Mills, S. G.....Toronto
Millyard, W. S.....Lucknow
Minthorn, H. L.....Queenstown
Monkman, J. A.....Stavely, Alta.

Montgomery, J. E.....Barrie
Moore, H. H.....Weston
Moore, S. E.....Oliphant
Morden, Miss M..Niagara Falls S.
Murray, A. M.....Newton
McCabe, L. G.....Waterdown
McCormack, V. W.....Vivian
McCormick, A. S...Montreal, Que.
McCulloch, W. G.....Enfield
McEwen, J. A.....Hensall
McFarlane, P. B.....Toronto
McGibbon, J. A.....Forest
McIlmoyle, W. D.....Fraserville
McKay, C. R.....Port Colborne
McKelvey, A. D.....Brussels
MacKenzie, C. R.....St. Thomas
McKinnon, A. J.....Star
McLean, J. E.....Orillia
McPherson, J. L.....Teeswater
McVean, Miss S. G.....Dresden
Ogden, W. E.....Toronto
Paterson, R. H.....Hamilton
Phair, J. T.....Toronto
Plewes, W. F.....Toronto
Pogue, O. A.....Lindsay
Pratt, W.....Cobourg
Prowd, C. W.....Desboro
Rice, A. G.....Toronto Junction
Richards, G. E.....Newboro
Richardson, R. S.....Toronto
Ricker, A. C.....Dunnville
Robertson, W. A.....Monkton
Robertson, W. H.....Toronto
Rogers, G.....Kingsville
Ross, C. F. W.....Peterboro
Ross, W. H.....Hamilton
Routledge, J. A.....Dunkeld
Rowland, C. E.....Toronto
Russell, Miss E. K..Windsor, N.S.
Scott, H. B. E.....Listowel
Scott, W. R.....St. Thomas
Sheard, R. H.....Toronto
Shepherd, W. G.....Ottawa
Sheply, E.....Leamington
Smith, Miss E. O.....Toronto
Smith, J. M.....Cannington
Spencer, J. E.....Picton
Sproule, N. E. H.....Schomberg
Taylor, N. B.....Toronto
Thompson, A. A.....Waterdown
Thomson, J.....Hastings
Tindale, W. E.....Woodstock
Trow, E. J.....Stratford
Tyerman, H. F.....Cranbrook
Walker, R. R.....Waterdown
Wallace, F. W.....Saintfield
Wallace, G. H.....Toronto
Ward, C. B.....Amiens
Welwood, T. R....Saltscoat, Sask.
Weston, R. E. A.....Tillsonburg
Whiteway, C. I.,
Musgrove Harbour, Notre Dame Bay, Nfld.
Wilford, E. C.....Blyth
Williams, G. W.....Aurora
Willinisky, A. I.....Toronto
Wilson, F. D.....Toronto
Windsor, Miss F. E.,
St. John's, Que.
Wood, J. H.....Florence
Worthington, G. H.....Guelph

Fourth Year.

Acheson. W. C....Vancouver, B.C.
Adam, R. T.....Lindsay.
Allison, D.....Belgrave
Anderson. J. S.....Wooler
Andrew, H. B.....Toronto
Allison, A.....Toronto
Baillie, W.....Toronto
Bates, G. A.....Toronto
Bell, H. W.....Port Perry
Bennetto, F. R.....Palmerston
Bigham, J. F.....Culloden
Blanchard, E.....Leaskdale
Boyer. G. F.....Kincardine
Broddy, W. A.....Uxbridge
Broome, W. J.....Muncey
Brydon. W. H....Holly Park P.O.
Buck, G. S.....Lindsay
Burns, H. S.....Caledonia
Burns, J.....Palmerston
Calder, Miss M.....Innisfail, Alta.
Callahan. T. H.....Wooler
Campbell, A. D.....Owen Sound
Cannon. O. A.....Walkerton
Cerswell, B. S.....Toronto
Christie, J. G.....Duntroon
Cole, E. C.....Toronto
Crann, G. R.....Queensville
Crux, A.....Toronto
Dafoe, A. R.....Madoc
Elliott. B. S.. .....Ingersoll
Ellis, T. A.....Toronto
Evans, J. A.....Islington
Faulds, R. W.....Harrietsville
Fidlar, E.....Toronto
Field. J. J.....New Liskeard
Fleming, A. G.....Toronto

Fowler, W. G.....Teeswater
Gideon, E. D.,
Port Antonio, Jamaica
Gillies, H.....Parkhill
Graham, E. V.....Bradford
Graham, L. B.....Wallacetown
Graham, M.....Brucefield
Gray, G. C.....Waubuno
Hamilton, Miss L. S. M...Toronto
Harmer, C. G.....Toronto
Harrison, T. L.....Tillsonburg
Hartman, C. C.....Aurora
Hatcher, R. C....Bonavista, Nfld.
Hazlewood, J. F.,
Toronto Junction
Henderson, D. A.....Toronto
Henderson, E. M.....Toronto
Hincks, C. M.....Toronto
Hunt, J. W.....Blind River
Huntsman, A. G.....Toronto
Hurlburt, F. H.....Manitowaning
Hutton, T. O.....Port Elgin
James, H. J.....Toronto
Jamieson, C. V.....Guelph
Johnston, C.....Alma
Johnston, H. B.....Vernonville
Johnston, H. W.....Midland
Johnstone, L. H.Huntingdon, Que.
Johnston, W. J.....Wareham
Kakaza, T. M.,
Port Elizabeth, S. Africa
Kay, A. F.....Virginia
Kenny, R. Y.....Sarnia
Kirby, P. J.....Arthur
Knight, S. G.....Kincardine
Kyles, A. E.....Camilla
Lackner, H. M.....Berlin
Lapatnikoff, W.....Toronto
Large, W. B.....Rochester, N.Y.
Leigh, S. S.....East Oro
Lipsitt, G. E.....Mount Bridges
Love, W.....Toronto
Luckhoo, D. L.,
New Amsterdam, Brit. Guiana
Malcolm, Miss M. E.....Caesarea
Menten, Miss M. L.Chilliwack, B.C.
Middleton, F. C.....Woodhill
Miller, F. R.....Toronto
Milne, J. D.....Delaware
Minns, F. S.....Woodstock
Mooney, C. N.....Davenport
Morgan, H. A. E.....Moorefield
Morrison, T.....Hamilton
Mulholland, R. P.....Toronto
McArthur, A. D.....Greenbank
McClelland, W. A....Grand Valley
McCormack, W. G. M.....Vivian
McCutcheon, R. H.....Nobleton
McFadden, H. M.....Millbrook
MacKay, J. T.....Toronto
MacKenzie, D. W.....Toronto
MacKenzie, K. N.....St. Thomas
MacLachlan, J.....Toronto
McLean, A. A.....Clochan
Macleod, J. A.....Priceville
McLeod, N.....Moose Creek
McNichol, O. A.....Pittsburg, Pa.
McPhedran, W. F.....Toronto
McPherson, A. W.....Peterboro
McPherson, G. A.....St. Thomas
McRuer, J. M.....Ayr
McVicar, C. S.....Ailsa Craig
Naismith, A. G.....Milverton
Newell, O. J.....Aylmer
Nickle, M. A.....Madoc
Norman, T. H.....Schomberg
Orr, T. S.....Hamilton
Platt, E. O.....Plainfield
Prentice, A. J.....Drumbo
Quarry, J. J.....Centralia
Racey, G. W.....Kirktown
Reid, P.....Erin
Relyea, E. H.....Cornwall
Richardson, E. F.....Aurora
Ritchie, L. W.....Beamsville
Robb, J. O.....Ilderton
Robertson, D. E.....Toronto
Ross, G. W.....Burford
Ross, H. R.....Burford
Routley, F. W.....Toronto
Ryckman, W. C..Moosomin, Sask.
Rolls, J. A.....Chatham
Savage, J. P.....Brantford
Scheck, W. S.....Hamilton
Schinbein, A. B.....Listowel
Shier, W. C.....Uxbridge
Simpson, L. J.....Thornton
Siung, S. H.,
New Amsterdam, Brit. Guiana
Sparks, G. L.....St. Mary's
Speers, J. H.....Toronto
Sproat, J.....Nelson, B.C.
Sproule, Miss P. J.....Listowel
Stewart, R.....Bluevale
Stinson, S.....Brighton
Stirrett, A. P.....Toronto
Sutherland, J. W.....London
Swain, W. W.....Grand Valley
Taylor, W. A.....Toronto Junction
Thompson, C. P.....Listowel
Thompson, J. J..Toronto Junction
Towers, T. L.....Sarnia
Tye, P. L.....Goderich
Walker, H.....New Jarvis

Walsh, W. C.....Millbrook
Weldon, T. C.....Toronto
Whillans, D. W.....Ilderton
Whillans, J. A.....Ilderton
White, S. T.....Shelburne
Whitemore, G. H.Toronto Junction
Williams, H. A.....Allenford
Williams, R. A.....Ingersoll
Willson, H. G.....Toronto
Wilson, C. E.....Napanee
Wilson, N. K.....Toronto
Woods, H. B.....Toronto
Young, E. H.....Guelph

Occasional Students.

Amos, J. E.....Brinsley
Armstrong, W. A.....Manotick
Armstrong, W. J.....Iroquois
Barron, F.....Campbellford
Blatchford, F. A.....Hensall
Bouck, C.....Calgary, Alta.
Brebber, G. F.....Mount Forest
Cation, J. M.....Snelgrove
Clark, E. A.....St. Thomas
Coon, W. H.....Smithville
Cosgrove, R. H.....Ottawa
Cowan, W. A.....Kintail
Cox, E. L.....Lakefield
Dunning, J. N.....Riceville
Elliott, G. A.....Brantford
Emerson, R.....Toronto
Fisher, R. E.....Barrie
Frank, R. W.....The Grange
French, G. E.....Brampton
Gibson, M. J.....Kingston
Gordon, J. B.....Kingston
Gower, F.....Meaford
Graham, T. H.....Bradford
Grist, P. K.....Strathroy
Guy, T. N.....Columbus, Ont.
Hart, V. E.....Lindsay
Hutt, S. H.....Berwick
Irwin, W. T.....Mulmur
Ives, G. T.....Toronto
Kappele, J. L.....Hamilton
Klingner, H. E.....Toronto
Locke, D. C....Brinston's Corners
Lonergan, J. J.....Buckingham
Loucks, F. S.....Meaford
Mark, A. S.....Stratford
Marshall, W. R.....Kingston
Mills, W. W.....Belleville
Moore, F. H.....Acton
Moore, C. H.....Owen Sound
Moore, S. R.....Belleville
McArthur, J. A.....Priceville
McComb, C. S.....Lucan
Macfarlane, R. M ...Briston, Que.
McIntosh, R. M.....Embro
MacLaurin, H.....Vankleek Hill
McLean, R. M.....Walkerton
McVey, K. M.....Marvelville
O'Callaghan, M. J.....Kars
Patterson, B. J.....Shelburne
Peaker, H. M.....Brampton
Powers, W. P.....Elora
Pratt, S. H.....North Gower
Preston, W. J.....Bethany
Robb, H. A.....Walkerton
Robinson, E. H.....Brockville
Ross, J. A.....Lindsay
Semple, H. A.....Toronto
Simpson, C. N.....Toronto
Sisson, E.....Bethany
Sleeth, W.....Toronto
Stewart, R. E.....Glenallan
Sloane, R. D.....Shelburne
Strachan, J. S.....Jamestown
Thompson, E. L.....Mitchell
Tweed, H. R..Crystal City, Man.
Vance, R. J.....Waterdown
Veitch, E. C.....Uxbridge
Walker, R. R.....King City
Wallace, C. V.....Toronto
Wigle, I. J.....Guelph
Woollatt, R. S.....Toronto

Summary:

First Year Students	190
Second Year Students	146
Third Year Students	158
Fourth Year Students	158
Occasional Students	71
Total	723

FACULTY OF APPLIED SCIENCE AND ENGINEERING.

First Year.

Agnew, J. N.....Stratford
Alison, A. E.....Toronto
Allen, E. R.....Toronto
Amsden, W. G.....Toronto
Anderson, A. L.....Guelph
Arens, E. G.....Orillia
Austin, E. T.....Whitby
Baird, J. A.....Leamington
Barry, W. H.....Niagara Falls
Bennett, A.....Aylmer
Berry, B. C.....Toronto
Black, W. D.....Toronto
Blair, F. J.....Espanola
Blizard, C.....Toronto
Boland, T. M.....Toronto
Boulton, W. J.....Wallaceburg
Browne, E.....London
Brydon, A. R.....Toronto
Burns, J.....Toronto
Calvert, D. J.....Strathroy
Cameron, M. G.....Peterboro
Campbell, A. D.....Stayner
Campbell, R. A.....Elmgrove
Carlyle, W. M.....Toronto
Cawley, H. E.....Brockville
Chesnut, V. S.....Toronto
Clarke, F. W.....Toronto
Cline, C. G.....Toronto
Cockburn, R. B.....Hamilton
Collinson, W. G.....Seeley's Bay
Collinson, J. G.....St. Thomas
Coltham, G. W.....Aurora
Cooch, H. A.....Toronto
Corman, W. E.....Stoney Creek
Crosby, T. H.....Sardis, B.C.
Cumming, N. S.....Hamilton
Cunerty, T. J.....Toronto
Cunningham, R. H.....London
Danks, C. N.....Toronto
Davis, H. W.....Newmarket
Davis, A. I.....Toronto
Dawson, I. H.....St. Catharines
Derham, W. P.....Ottawa
Dissette, A. C.....Toronto
Dodds, W. A.....Toronto
Douglas, W. H.....Eglinton
Duff, A. R.....Toronto
Duthie, H. B.....Toronto
Duthie, L. J.....Toronto
Ellis, H. C.....Toronto Junction
Falconer, F. S.....Shelburne
Farrell, K. A.....Toronto
Ferguson, J. B.....Kenora
Ferguson, A. P.....Toronto
Fisken, J. B. K.....Toronto
Fletcher, F. T.....Calgary, Alta.
Flynn, C. C.....London
Fortier, L. H.....Toronto
Fraser, W. J.....Toronto
Freeborn, S. G.....Maganetawan
Freeman, T. E.....Freeman
Frost, E. R.....Tweed
Furgey, T. A.....Belleville
Fyfe, H. D.....Acton West
Gibson, E. P.....Willowdale
Gibson, C. A.....Gananoque
Gibson, M. M.....Willowdale
Glazier, M. B.....Brockville
Goad, V. A. E.....Toronto
Goggin, V. T.....Toronto
Gooderham, A. E.....Toronto
Goodeve, V.....Acton
Gooding, H. C.....Toronto
Gordon, O. D.....Hamilton
Gorrie, D. A.....Toronto
Gourlay, V. F.....Galt
Graham, D. A.....Ivan
Grant, R. R.....Toronto
Grant, A. D.....Sarnia
Gray, J. E.....Uxbridge
Greene, R. L.....Toronto
Greene, G. E. D.....Toronto
Greey, A.....Toronto
Griffith, T. G.....Toronto Junction
Gunn, W. W.....Toronto
Gzowski, J. S.....Toronto
Hagerman, F. G.....Cobourg
Hall, H.....Toronto
Hall, R. S.....Peterboro
Harcourt, R. M.....Toronto
Harper, C. J.....Uxbridge
Harstone, R. G. L.....Lindsay
Hartney, H. E.....Toronto
Harvey, D. W.....London
Hatch, F. C.....Whitby
Heintzman, H...Toronto Junction
Helliwell, J. G.....Toronto
Hemphill, J.....Kleinburg
Henderson, E. Mc.....Marshville
Hill, A.....Owen Sound

Hollingshead, G.....Toronto
Holmes, A. E.....Owen Sound
Holmes, C.....Chatham
Holton, G. H.....Belleville
Hoshal, G. G.....Niagara Falls
Huffman, K.....Toronto
Hughes, C.....Toronto
Hunter, A. E.....Wiarton
Hyland, R. T.....Toronto
Irwin, A. B.....Stratford
Irwin, H.....Hillsburg
Isbister, J.....Wingham
Jack, R. T. G.....Toronto
Jackes, F. P.....Thornhill
Jackson, J. E.....Oxford Centre
James, G. A.....Nilestown
Jamieson, E. A.....Pakenham
Jeffery, C. C.....Midland
Jelfs, F. C.....Hamilton
Jennings, R. B...Toronto Junction
Johnson, C. C.....Toronto
Johnston, W. J.....St. Catharines
Kean, D. J.....Gamebridge
Kemp, J. B. O.....Toronto
Kennedy, W. J. M....Newmarket
Kettle, T. H.....Toronto
Key, W. R.....Toronto
Klotz, H. N.....Toronto
Lamont, A. W.....Roome
Langmuir, B.....Toronto
Leadman, H. L.....Medina
Leitch, J. N.....Toronto
Lennox, A. E.....Orillia
Loucks, R. W. E.....Minniehill
McAlpine, D. D.....Iona
McArthur, A. S.....Toronto
McClenahan, C. A.....Appleby
McColl, E. B.....Glencoe
McCollum, C. R.....Welland
McConnell, W. A....Humber Bay
McCool, A. J.....Ottawa
McCordick, A. S....St. Catharines
McCuaig, P. J.....Gamebridge
McDonald, G. G.....Toronto
McDonald, G. E.....Cornwall
McDougal, J. E.....Toronto
McDougall, S. G.....Ottawa
McEachren, F. Y. P.....Toronto
McElhanney, T. A.....Kincardine
McIntosh, W. G.....Seaforth
McSloy, J. I.....St. Catharines
McVean, R.....Dresden
McKinnon, J. G.....Milverton
MacLachlan, W. A.....Guelph
MacLean, J.....Gore Bay
Macdonald, J. B.....Lindsay
Macfarlane, E. D....Dawson, Y.T.
Mackintosh, N. H.
Bournemouth, Eng.
Macpherson, N. W....St. Thomas
MacPherson, G. A.
Niagara Falls S.
Manning, N. H.....Oshawa
Manson, A. B.....Fairview
Markle, G. A.....Toronto
Marshall, H. J.....London
Martindale, E. S.....Kingsmill
Martyn, O. W.....Mitchell
Middleton, J. J...Lurgan, Ireland
Miller, W. N....Sault Ste. Marie
Mills, P. E.....Toronto
Morgan, J. P.....Newmarket
Morris, C. A.....Toronto
Morton, G.....Carluke
Muldrew, W. H..Toronto Junction
Munro, F. V.....Chatham
Munson, A. H.....Hamilton
Murton, J. C.....Fergus
Nash, J. C.....London
Nelles, J. S.....London
Neville, E. A.....Ruthven
New, R. H.....Toronto
Niebel, E. H.....Norwood
Odell, L. S.....Odell
O'Flynn, J. D.....Belleville
O'Gorman, C. A. W.
Depot Harbour
O'Neil, C. M...Erindale-on-Credit
Parish, A. G.....Athens
Patterson, E. B.....Toronto
Peters, F. M....Ft. Saskatchewan
Petry, A. M.....Toronto
Philp, W. M.....Penryn
Porter, L. A. M.....Powasson
Pounder, I. R.....Pembroke
Pye, D. E.....Arnprior
Railton, L. W.....Newport, Eng.
Ramsperger, A. F....Humber Bay
Redfern, C. R.....Owen Sound
Rose, G. B.....Elora
Rubidge, W. F. B.....Dixie
Rudolf, O. R..Hampstead, B.W.I.
Rutledge, L. T.....Glenwilliams
Ryerson, J. E. E.....Toronto
Sara, R. A.....Toronto
Schalarbaum, A.....Galt
Schwenger, C. E.....Hamilton
Sedgwick, A.....Windsor
Self, J. H.....Toronto
Sharpe, D. N.....Lindsay
Shaw, M. R.....Forest
Smith, F. L.....Burlington
Sparling, M. W.....Courtland
Spinney, E. H....Yarmouth, N.S.

Stewart, N. C.....Nelson, B.C.
Stewart, J. D.....Chesley
Street, J. C.....Ottawa
Stroud, S.....Hamilton
Stutt. H. G.....West Flamboro
Sutherland, D.....Toronto
Swan, R. G.....Kincardine
Tate, H. W.....Wimbledon, Eng.
Thomson, G. G.....Orillia
Tipper, G. A.....Brantford
Trees, A. G.....Toronto
Trusler, W. A.....Camlachie
Turnbull, W. G.....Toronto
Van Allen, M.....Toronto
Vatcher, A.....Freshwater, Nfld.
Venney, L. T.....Brockville
Vogan, S. J.....Toronto
Waite, C. B.....Port Hope
Walker, C. M.....Guelph
Wallace, J. L.....Hamilton
Warrington, G. A.....Cornwall
Watson, C. E.....St. George
Webb, E. E.....Orillia
White, F. C.....Chatham
Whitelaw, A. R....Brandon, Man.
Wilkinson, R. G.....Aberarder
Williamson, O. T. G.....Guelph
Wilson, E. R.....Antrim
Wilson, H. P.....Toronto
Wilson, L. Z.....Brampton
Wilson. R. R.....Toronto
Woodley, G. E.....Waterford

NON-REGULAR STUDENTS.

Barnett, H. A.....Toronto
Birchard, E. R.....Linden Valley
Buchanan, J. A.....Comber
Bowen, G. H.....Toronto
Cepeda, M.
..Funja Rep. Columbia, S.A.
Dallyn, F. A.....Toronto
Evans, W. G.....Collingwood
Featherstonhaugh, J. E...Toronto
Fraser, A.....London, E.C., Eng.
Hay, C. O.....Falkenburg
Hicks, N. W.....Humber Bay
Hinch, E. F.....Centreville
James, E. W.
Portage la Prairie, Man.
Jardine, G. R.....Bowmanville
Lee, F. A.....Springfield, Mass.
McMillan, V.....Port Hope
MacAndrew, W. M.....Renfrew
Michaud, J. A.....Toronto
Newton, W. E.....Toronto
Palmer, E. P. B..Zacatecas, Mexico
Pollard, S. B.....Petrolea
Porter, C. J.....Marburg
Quail, J.....Toronto
Rogers, R. G.....Winnipeg, Man.
Rudy, I. S.....Baden
Rust, F. C.....Toronto
Segré, B. H.
Savanna la Mar, B.W.I.
Smith, E. A.....Toronto
Sutherland, C. C.Edmonton, Alta.
Sylvester, K. B.....Lindsay
Thompson, E. A.....Teesewater
Train, C. W.....Haileybury
Walker, J. T..... ....Toronto
Williams, J. A. Mc.....Deer Park
Wookey, S. A.....Toronto

Second Year.

Adams, O. F.....Toronto
Akers, H. G.....Toronto
Allan, L. F.....Toronto
Allison, C. B.....South Woodslee
Anderson, R. M.....Burlington
Annis, S. E.....Scarboro
Arens, J. R.....Orillia
Armstrong, H. V.....Trenton
Barber, H. C.....Toronto
Bartlett, E.....Smithville
Beckstedt, R. D. S..Lacolle, Que.
Bedford, F. J.....Lakefield
Beith, R. E.....Toronto
Bell, G. G.....Toronto
Bitzer, A. M.....Berlin
Black, G. E.....Stratford, Sta.
Bowes, H. F.....Toronto
Brace, J. H.....Brockville
Brecken, P. R.....Toronto
Brown, C. E.....Meaford
Brown, E. I.....Paris
Bryce, W. F. Mc.....Toronto
Buchan, P. H....Vancouver, B.C.
Cameron, D.....Marmora
Campbell, J. E.....Ivan, P.O.
Campbell, N. A.....Toronto
Carrie, K. N.....Toronto
Carscallen, H. R...Calgary, Alta.

Challen, G.....Simcoe
Clarke, H. S.....Toronto
Clendening, C. S.....Toronto
Cole, W. E.....Sarnia
Collett, W. C.....Toronto
Corrigan, S. O.....Toronto
Coyne, H.....St. Thomas
Cruickshank, A. M.....Weston
Cumming, J. D.....Toronto
Dahl, A. D.....Dutton
Danks, F. A.....Toronto
Dann, E. M.....London
Darroch, J.....Gillies Hill
Davis, H. C.....Burlington
Delahaye, W. H.....Pembroke
Doorly, H. C.
San Fernando, Trinidad
Douglas, R. H.....Banff, Alta.
Duff, M. O'R.....Hamilton
Dyer, F. C.....Toronto
Eagleson, F. M.....Gorrie
Edwards, C.....Toronto
Evans, S. L.....Corinth
Ewing, E. O.....Toronto
Flanagan, O. L.....Gore Bay
Flint, C.....Toronto
Foord, R. J.....Toronto
Foreman, J. M.....Lucan
Foster, A. H.....Guelph
Francis, G. C.....Verschoyle
Frid, H.....Hamilton
Gear, S. S.....Fort Erie
Gemmel, H. W. R...Selkirk, Man.
Gerard, A.....Ottawa
Graham, J. J.....Derry West
Grassie, A.....Smithville
Greene, W. H.....Toronto
Gulley, C. L.....Uxbridge
Hackner, J. W.....Sanford
Hall, R. H.....Peterboro
Harris, F. K.....Toronto
Haviland, F. L.....West Lorne
Henderson, C. D.....Toronto
Hopkins, C. H.....Lindsay
Huether, A. D.....Wiarton
Huether, D. J.....Neustadt
Hunter, A. N.....Toronto
Iler, S. B.....Belleville
Jardine, W. S.....Omemee
Johnston, J. T.....Kincardine
Keffer, A. H. E.....Toronto
Kennedy, H. G.....Ottawa
Kennedy, M. D.....Ottawa
Keys, W. R.....Winchester
Killip, W. C.....Picton
King, W. S.....Guelph
Kortright, F. H.
St. Kitts, B.W.I.
Lawrence, J. B....Winnipeg, Man.
Leslie, J. N. M.....Elora
Lewis, F. C.....Ingersoll
Lynar, H. R.....Toronto
McCracken, J. F.....Brussels
McDonald, M. P.....Toronto
McGeorge, W. G.....Chatham
McKechnie, F. H.....Woodstock
McLeod, G.....Armon
McMaster, W. A. A...Palmerston
McMordie, H. C.....London
McRoberts, A. A.....Pontypool
Madge, N. G.....Exeter
Maguire, H. C.....St. Catharines
Malone, J. E.....Brechin
Marlatt, K. D.....Oakville
Marshall, R. J.....Toronto
Meader, C. H.....Toronto
Milligan, G. L.....Brampton
Mitchell, A. B.....Toronto
Molesworth, J. C. P.....Toronto
Monk, E. D.....Cornwall
Moody, F. H.....Toronto
Morice, J. H.....Niagara Falls
Mowbray, F. E. H.....Kinsale
Murray, S.....Goderich
Murray, W. P.....Fairview
Nasmith, M. E.....Toronto
O'Donnell, V. J.....Merrickville
O'Grady, W. deC.....Toronto
O'Hearn, J. J.....Toronto
Pea, A. W.....Barrie
Peckover, H. J.....Sunderland
Pequegnat, M.....Berlin
Power, C. W.....Toronto
Ponton, G. M.....Belleville
Pigott, R. B.....Hamilton
Phillips, F. F.....Seaforth
Publow, C. F..Pilot Mound, Man.
Qua, A. H.....Paris
Ransom, J. T.....Toronto
Redfern, W. B.....Owen Sound
Reesor, N. H.....Cedar Grove
Richardson, F. L.....Maple
Ricker, H. A.....Dunnville
Robertson, F. A.....Toronto
Robertson, A. R.....Glencoe
Robinson, R. C...Winnipeg, Man.
Robinson, W. A...Winnipeg, Man.
Rogers, L. J.....Oshawa
Rose, R. R.....Guelph
Proctor, E. M.....Sarnia
Ross, D.....London
Sanderson, A. U.....Toronto
Secord, A. O.....Brantford
Shaw, W. E. V....Sydney, N.S.W.
Shearer, H. F.....Vittoria
Spence, J. J.....Toronto

Squire, G. E.....Mitchell
St. Lawrence, J.....London
Stamford, W. L.....Dundas
Starr, R. H.....Toronto
Stayner, D. S.....Toronto
Stewart, A. W. J.....Bunyan
Stock, J. J.....Toronto
Stuart, H. B.....Mitchell
Sword, A. D.....Toronto
Taylor, W. E.....Massie
Taylor, J. W. R.....Keene
Thomas, V. C.....Toronto
Thompson, H. P.....Toronto
Thornley, H.....London
Toms, C. G.....London
Underwood, J. E.....Lakelet
Van Norman, C. P.....Toronto
Van Nostrand, J.....Toronto
Villeneuve, T. L..Chicoutimi, Que.
Walker, J. A.....Guelph
Waugh, B.....Berlin
Webb, C. E.....Toronto
Webster, W. J. C.....Oakwood
Wedlake, R. M.....Brantford
Weir, R. P.....Toronto
West, A. M.Mount Pleasant, Van.
White, E. V. H.....Burlington
White, W. J.
Trafalgar, Western Australia
Wilson, F. F.....Harriston
Wilson, F. D.....Toronto
Wing, D. O.....Berlin
Workman, G. R.....Tillsonburg
Young, R.....Almonte

Third Year.

Allen, F. G.....Erie, Pa.
Anderson, F. J.....Niagara Falls
Augustine, A. P.....Arkona
Bothwell, C. C.....Barrie
Bourne, O. B.....Winnipeg, Man.
Bowman, H. D.....London
Brady, W. S.....Toronto
Broughton, G. H.....Paris
Brown, J. A.....Sarnia
Bruce, W. J.....Toronto
Bush, C. E.....Toronto
Campbell, G. A.....Millbrook
Caster, J. H....North Claremont
Cavell, E.....Owen Sound
Chesnut, F. H.....Toronto
Clendening, A. C.....Toronto
Coleman, R. M.....Toronto
Connell, C. B. B..St. Kitts, B.W.I.
Cory, R. Y.....Toronto
Coulter, G. P.....Buffalo, N.Y.
Cowper, G. C.....Welland
Culbert, J. V.....London
Davis, R.....Schomberg
Dawson, G. A.....Mount Forest
Evans, S. D.....Leamington
Ewart, F. R.....Toronto
Fleming, G. R. S.....Toronto
Fux, P. C.....Brantford
Galletly, J. S.....Wychwood Pk.
Galt, G.....Winnipeg, Man.
Garrow, A. B.....Toronto
Gillies, A.....St. Thomas
Graham, G. W.....Eugenia
Grasett, C. S.....Barrie
Hagarty, R. E. W.....Toronto
Hall, K.....Hamilton
Hamilton, C. T.....Windsor
Hara, F. J.....Merritton
Hare, R. A.....St. Catharines
Hertzberg, H. F. H.
Westmount, Que.
Hewson, E. G.....Toronto
Hill, H. O.....Toronto
Hogg, T. H.....Chippewa
Hutton, C. H.....Hamilton
Hyland, H. M.....Toronto
Hyman, E. W.....London
Ireland, L. G.....Durham
Jackson, W.....Ridgeway
Jackson, C. B.....Petrolea
Kay, E. W.....Paris
Keith, D. F.....Toronto
Keith, H. P.....Comber
Kinghorn, A. A.....Toronto
Klingner, L. W.....Toronto
Lamb, F. C.....Walkerton
Lamb, G. J.....Walkerton
LePan, A. D.....Owen Sound
Lindsay, J. H.....Hornby
McCurdy, J. A. D.
Baddeck, C.B.N.S.
McFarlane, J. B.....Claremont
McGugan, D. J.....Ekfrid
McIntosh, A. H.....Mosboro'
McNeill, F. W.....Toronto
McQuarrie, M. K..Vancouver, B.C.
MacKay, A. G.....Toronto
Mackenzie, W. D.....Kirkfield
MacLeod, G.....Parkhill
Malcolmson, W. S.....Toronto
Marshall, S. A.....Snelgrove
Mason, D. H. C.....Toronto

Maynard, H. V.....Port Hope
Melson, J. W.....Toronto
Mills, G. G.....Toronto
Minns, J. B.....Woodstock
Molesworth, G. N.....Toronto
Moore, J. M. C.....London
Morley, P. F.....Toronto
Munro, D. G.....Iona
Murray, E. W.....Seaforth
Murray, J. D.....Toronto
Neelands, E. W.....Forest
Neelands, R. E. K.....Brampton
Neilly, B.....Bradford
Nourse, A. E.....Deer Park
O'Sullivan, J. J.....Toronto
Paton, T. K.....Merritton
Paulin, F. W.....Arthur
Percy, H. A.....Alvinston
Potter, R. B.....Lieury
Procknow, F. E..Wilmington, Del.
Procunier, J. F.....Bayham
Quance, G. E.....Delhi
Raine, H.....Orton
Rannie, J. L.....Keswick
Richardson, C. W. B.....Wiarton
Ridler, A. A.....Toronto
Rothwell, H. E.....Toronto
Scholfield, C. A.....Dunnville
Sheppard, A. C. T.....Ottawa
Smith, F. R.....Carstairs, Alta.
Smithrim, E. R.....Cairngorm
Snaith, W.....Quebec, P.Q.
Southworth, H.....Brockville
Spencer, A. C.....London
Stewart, G. S.....Strathroy
Stiles, J. A.....London
Stiver, J. L.....Mount Albert
Strathy, E. S. G.....Toronto
Stuart, J. L. G.....Toronto
Summers, G. F.....Winchester
Proctor, I.....Hamilton
Sutcliffe, H. W.....Forest
Thompson, P. M.....Picton
Thomson, R. O.....Blenheim
Thomson, L. R.....Toronto
Walker, W. J.....East Toronto
Wilkes, E. D.....Brantford
Wilkie, J. H. M.....Toronto
Wilson, A. F.....Toronto
Wilson, J. M.....Toronto
Woods, M. H.....Aylmer West
Wright, G. W. A.....Toronto
Young, J.....Chesley
Zimmer, A. R.....Brussels

Fourth Year.

Armer, J. C.....Chesley
Baker, M. H.....St. Thomas
Banting, E. W.....Toronto
Bates, M.....Chatham
Betts, H. H.....London
Beynon, D. E.....Toronto
Brandon, H. E.....Cannington
Brian, M. E.....Windsor
Bunnell, A. E. K.....Brantford
Cook, W. A. Mc.....Toronto
Cousins, E. L.....Toronto
Daniels, W. N....Norristown. Pa.
Death, N. P. F.....Dixie
Dundass, C. S.....Putnam
Guest, W. S.....Elginfield
Hamilton, C. B.....Toronto
Hartney, J. C.....Toronto
Hett, S.....Sutton West
Hopkins, R. H.....Lindsay
Johnston, C.....Mildmay
Jones, G. R.....Brantford
Jones, T.....Toronto
Jupp, A. E.....Toronto
Lang, J. L.....Toronto
McConnell, A. W.....Walkerton
McPherson, J. A.....Bolsover
MacKenzie, K. A.....Toronto
Maclachlan, W.....Toronto
Menzies, J. M. .....Staples
Mitchell, B. F.....Hamilton
Montague, F. F.....Toronto
Near, W. P.....St. Mary's
Nicklin, W. G.
Grand Rapids, Mich.
Park, D. G.....Chatham
Porte, W. B.....Oakville
Purser, R. C.....Windsor
Robertson, N. R.....Walkerton
Rogers, C. H.....Peterboro
Rolfson, O.....Walkerville
Ross, R. C.....Port Robinson
Ross, K. G.....Toronto
Thomson, J. E.....Toronto
Young, W. H.....Clifford

Shirriff, C. H.....Niagara Falls S.

Art Students Taking Instruction in Applied Chemistry, Assaying, Surveying and Drawing.

Bileby, G.....Blyth
Bowles, O.....Randolph
Boyd, A. M.....Toronto
Eakins, H. O.....Toronto
Moore, E. P.....Burlington

Summary:

First Year Students	278
Second Year Students	177
Third Year Students	123
Fourth Year Students	43
Occasional Students	1
Arts Students	5
	627
Less Students in Arts	5
Total	622

FACULTY OF HOUSEHOLD SCIENCE.

Registered in University College.

Fourth Year.

Stewart, Miss M. M'.....Clinton

Second Year.

Hall, Miss N. B.....Bowmanville

Registered in Victoria College.

Fourth Year.

Graham, Miss H. S.....Toronto
Grange, Miss G. E.....Napanee
Keagey, Miss M. D.....Dundas
Paul, Miss H. A.....Toronto

Third Year.

Bearman, Miss K. F.....Ottawa
Gibbard, Miss F. V.....Napanee
McDonald, Miss M. S.....Tara

Second Year.

Davis, Miss M. R.....Toronto
Denne, Miss L.....Peterborough
Fleming, Miss R.....Toronto
Hyland, Miss I.....Toronto

First Year.

Campbell, Miss K....Collingwood
Forsyth, Miss D.....Berlin
Mills, Miss R. E.....Toronto
Ockley, Miss L. L.....Barrie

Normal Students.

Senior Class.

Calder, Miss E....Innisfail, Alta.
Campbell, Miss N.....Ivan
Edwards, Miss A.....Iroquois
Greenwood, Miss M.....Whitby
Gurney, Miss G.....Toronto
Hamilton, Miss A.....Peterboro
King, Miss E.....Bowmanville
MacIntyre, Miss J. Springfield, N.B.
Parkin, Miss M.....Toronto
Patterson, Miss E. Aylesford, N.S.
Patterson, Miss N...Bowmanville
Ryley, Miss V.....Toronto
Snell, Miss L.....Toronto

Junior Class.

Brown, Miss M.....Victoria, B.C.
Burnaby, Miss F.....Milton, N.S.

Occasional Students.

Alexander, Miss J. M....Toronto
Austin, Miss A. M.....Toronto
Barclay, Miss J.....Toronto
Barr, Mrs.....Toronto
Bethune, Miss.....Toronto
Bicknell, Miss.....Toronto
Bilton, Miss G.....Toronto
Bilton, Miss M.....Toronto
Blackstock, Miss E.....Toronto
Boomer, Miss S.....Toronto
Boulton, Miss E.....Toronto
Brock, Miss M.....Toronto
Brown, Miss N. A.....Toronto
Bullock, Miss L.....Toronto
Burke, Miss K.....Toronto
Campbell, Miss B.....Toronto
Clarke, Miss I.....Toronto
Cockrane, Miss E.....Toronto
Comrie, Miss J.....Toronto
Darling, Miss D.....Toronto
Davidson, Miss M. G.....Toronto
Davies, Miss M.....Toronto
Doughty, Miss B.....Toronto
Dryden, Miss E.....Toronto
Ellis, Miss M.....Toronto
Ellis, Miss R.....Toronto
Fields, Miss.....Toronto
Fleming, Miss P.....Toronto
Follenus, Miss .....Toronto
Fudger, Miss H.....Toronto
Gooderham, Miss C.....Toronto
Graham, Miss L.....Toronto
Hagarty, Miss A. B.....Toronto
Hagarty, Miss S.....Toronto
Hallam, Miss A.....Toronto
Henderson, Miss E. G....Toronto
Kearns, Mrs.....Toronto
Langlois, Miss H.....Toronto
Langlois, Miss P.....Toronto
Lyons, Miss .....Toronto
Macklem, Miss.....Toronto
Marshall, Mrs. T.....Toronto
Mason, Miss B.....Toronto
Massey, Miss R.....Toronto
Matthews, Miss H.....Toronto
McFaden, Miss K.....Toronto
McLeod, Mrs. N.....Toronto
McLeod, Miss .....Toronto
McPherson, Miss G.....Toronto
Millman, Miss M.....Toronto
Murray, Miss L.....Toronto
Nordheimer, Miss A.....Toronto
Patullo, Miss.....Toronto
Quigley, Miss A.....Toronto
Reid, Miss L.....Toronto
Ritchie, Miss B.....Toronto
Ross, Miss M.....Toronto
Schreiber, Miss .....Toronto
Seeley, Miss .....Toronto
Simpson, Miss G.....Toronto
Smith, Miss F.....Toronto
Solomon, Miss E.....Toronto
Somerville, Miss E.....Toronto
Steele, Miss K. H.....Toronto
Stinson, Miss N.....Toronto
Strathy, Miss M.....Toronto
Temple, Miss E.....Toronto
Thacker, Miss A.....Toronto
Trebilcock, Miss E.....Toronto
Walker, Miss E.....Toronto
Watson, Miss N.....Toronto
Williamson, Miss .....Toronto
Wilson, Miss .....Toronto

Summary:

Registered in University College.....	2
Registered in Victoria College.....	15
Normal Students	15
Occasional Students.....	73
Total.....	105

HISTORICAL SKETCH.

The movement which ended in the establishment of the University of Toronto as the centre of the educational system of the Province of Ontario originated with General Simcoe, the First Governor of Upper Canada, who repeatedly expressed his conviction, both before his departure from England and also during his term of office (1792-1796), that the best interests alike of the Government and of the inhabitants demanded the establishment of a University in Upper Canada. It was not, however, during his administration that the project assumed a definite form.

In 1797 the Legislative Council and House of Assembly in a joint address to King George III. asked "that his Majesty would be graciously pleased to direct his Government in the Province to appropriate a certain portion of the waste lands of the Crown as a fund for the establishment and support of a respectable Grammar School for each district thereof; and also a College or University for the instruction of youth in the different branches of liberal knowledge." To this address a favourable answer was transmitted, and the acting Lieutenant Governor, the Hon. Peter Russell, was directed to determine the manner and character of the appropriation. In accordance with this request the Executive Council of Upper Canada reported on the 1st December, 1798, that an appropriation of 500,000 acres would be sufficient for the support and maintenance of four Grammar Schools and a University. For the foundation of the latter nothing was done until 1827, when a Royal Charter was granted for the establishment at or near York, as Toronto was then called, of a College "with the style and privileges of a University," to be called "King's College," having for its endowment that portion of the grant of "waste lands" originally provided for the University in the report above referred to. These lands were in 1828 exchanged for 225,944 acres of Crown Reserves.

Owing not only to the character of the endowment, which required time for its realisation in the form yielding an annual revenue, but also owing to the terms of the charter, which required all the members of the Faculty to be adherents of one particular religious denomination, the opening of the College was delayed for fourteen years. In consequence of public representations on the sectarian character of the College, all religious tests were abolished by an amended charter which passed the two Houses of the Provincial Legislature and received the Royal Assent in 1837. In 1842 the affairs of the University has assumed such a condition as to render its organisation possible, and Faculties of Arts, Medicine, Law and Divinity were established. In that year the erection of the College Building was begun on the eastern portion of the

site of the present Legislative Buildings. In 1843 the first matriculation of students took place, and inaugural addresses and lectures were delivered on the 8th and 9th of June of that year.

The agitation which resulted in the amended charter of 1837 had continued after the opening of the College in 1842, owing to efforts made to defeat the purpose of the amendment, and in 1849 an Act of the Legislature effected important modifications in the constitution of King's College whereby all instruction in Divinity was discontinued, and a larger measure of public control of the affairs of the University instituted, through the formation of a Senate, of which a number of the members were appointed by the Crown. The name was now changed from that of the University of King's College to that of "The University of Toronto."

Three years afterwards the University underwent a further transformation, by which the Act of 1853 abolished the Faculties of Medicine and Law, and divided its functions between the two newly organised corporations of the "University of Toronto" and "University College." To the Senate were assigned the duties of framing the curriculum, holding examinations and admitting to degrees in Arts, Law and Medicine, while to the President and Professors of University College, as a distinct and independent corporation with special powers, were assigned the teaching in Arts and the entire discipline and control of students. The models followed in the reorganisation of the University, it was claimed, were the University of London and University College, London, both of which had then been only recently established. For thirty-four years the University of Toronto and University College performed the functions respectively assigned to them by this Act.

During the early years of the University it experienced repeated changes in its local habitation. The faculty and students of King's College, were at first temporarily accommodated in the Parliament Buildings until the erection of the east wing of King's College admitted of the occupation of their own building. From this they were anew transferred to the old Parliament Buildings in 1853, when, by a special Act, the site of King's College was appropriated for the proposed new buildings for the use of the Parliament of Upper and Lower Canada. On the return of the Legislature to Toronto, in 1856, the Faculty resumed the occupation of the old King's College Building, while one formerly in use by the Medical Faculty, situated on the site of the present Biological Building, was being adapted for their occupation. There accordingly the work of the College was carried on, pending the erection of the new University buildings. These buildings were begun in 1856, and on October 4th, 1859, the top stone of the main tower was placed in position by Sir Edmund Head, the Governor General, an old Oxford professor, the value of whose sympathy and support at this critical period in the history of the University cannot be overestimated.

For thirty-four years the constitution of the University of Toronto and of University College remained unchanged. Other collegiate bodies, principally denominational schools of theology, entered into affiliation with the University, and, with regard to their especial requirements, the course of study in Oriental Languages was augmented, but the Faculty of University College continued to do the work of instruction for nearly all the students in Arts who presented themselves for examination. The candidates for examination and degrees in Medicine were trained in medical schools in affiliation with the University, and for degrees in Law the examinations were based upon textbooks prescribed by the Senate, without teaching.

In 1887 both the University of Toronto and University College were remodelled by the University Act. The main object of renewed legislation was to secure a more uniform standard of higher education by the union of the various denominational universities of Ontario with the Provincial University. Since the proclamation of the Act, Victoria University at Cobourg, representing the Methodist body, has entered into federation with the University of Toronto. The governing body of this institution is now represented on the Senate of the University of Toronto, its graduates elect representatives to the same body, and by the removal of the faculty and students of Victoria University to Toronto, where college buildings have been erected to the north of Queen's Park, the union of the two Universities has been effected. Under the Federation Act, the theological colleges also, formerly in affiliation with the University of Toronto, have become federated colleges, and enjoy increased representation on the Senate.

The Faculty of University College, by the Act of 1887, consists of professors and lecturers in Classic Languages and Literature (including lectures in Ancient History) Oriental Languages, English, French, German and Moral Philosophy. All other portions of the Arts course are assigned to the Faculty of the University of Toronto, of which the lectures are made equally available to the Students of University College, and those of all federating universities and colleges. For the maintenance of certain of the departments of science on a scale demanded by modern methods of research, special provision has been made by the erection of new and the enlargement of old buildings. In the new Biological Building every facility is now provided for practical training in Biology and Physiology. The Chemical Building was completed in 1895, and affords similar facilities for practical work in Chemistry.

A Faculty of Medicine in the University of Toronto was established immediately upon the passing of the Act in 1887, and teaching is imparted in all branches of medical science. All the advantages of the Faculty of Arts are available for students in Medicine, and the laboratories of the scientific departments are utilised equally by students in both faculties. In 1903 the new Medical Building was opened.

In 1888 a stimulus was given to the study of scientific methods of farming by the affiliation of the Ontario Agricultural College, and the adoption of a curriculum of study for the degree of Bachelor of the Science of Agriculture. Similarly an examination for the degree of Doctor of Dental Surgery was instituted, as a consequence of the affiliation of the Royal College of Dental Surgeons of Ontario. The College of Pharmacy was subsequently admitted to affiliation, and a curriculum in Pharmacy prescribed. On the affiliation of the Toronto College of Music a curriculum of study was prepared for the degree of Bachelor of Music. The School of Practical Science was affiliated in 1889, and graduates of the School are specially eligible on certain conditions for the degrees of Bachelor of Applied Science and of various degrees in Engineering in the University. By a recent enactment of the Senate a curriculum was prescribed leading to the degree of Bachelor and Doctor of Pedagogy. In 1897 a course of study was established leading to the degree of Doctor of Philosophy in certain of the Arts departments. In 1897 also the Ontario Veterinary College was affiliated.

On February 14th, 1890, the Main University building was partly destroyed by fire. In the reconstruction thereby rendered necessary, opportunity was afforded for important improvements in lighting, heating and ventilation. Considerable extension was effected in the numbers, capacity and equipment of the lecture rooms and laboratories. A new library building was erected on plans embracing the most recent improvements suggested by the experience of leading Universities in the United States and elsewhere. A building for the accommodation of the Gymnasium was erected in 1892, and additions to it were completed in 1894 for the accommodation of student societies.

One of the most important events of recent years was the federation of the University of Trinity College, which was proclaimed by His Honour the Lieutenant Governor on the 18th of November, 1903, and came into effect on the 1st of October, 1904.

The passing of the University Act, 1906, is the latest and most important development in the history of the University. A short account of the changes of greatest importance will be found in the early portion of this calendar under the title "Constitution and Administration of the University."

BENEFACTIONS AND DONATIONS.

The Library Building.

D. W. Alexander	$ 100 00	Robert Jaffray (a debenture)	$ 1,000 00
Dr. Barbour	2,422 22	John Keith	200 00
W. H. Beatty	1,000 00	Kilgour Bros	500 00
Bell. Begg & Cowan	100 00	W. D. Matthews	1,000 00
Caldecott, Burton & Co.	100 00	M. McConnell	100 00
Canadian Bank of Commerce	1,000 00	McGaw & Winnett	250 00
Joseph Cawthra	500 00	William Mulock	5,000 00
William Christie	5,000 00	H. W. Nelson	100 00
Copp, Clark Co	100 00	E. B. Osler	10,000 00
George A. Cox	5,000 00	Province of Quebec	10,000 00
Miss Cumberland	3 00	John Pugsley	200 00
Davidson & Hay	1,012 50	Elias Rogers	100 00
Rev. A. Dowsley	4 40	James Scott	500 00
The Goldsmiths' Co	241 67	Mrs. Emily Smart	500 00
Geo. Gooderham	10.000 00	Dr. Andrew Smith	500 00
W. G. Gooderham	1,000 00	Dr. Larratt W. Smith	500 00
W. B. Hamilton	250 00	Col. Sweny	500 00
H. C. Hammond	1,000 00	Warwick & Sons	100 00
Dr. John Hoskin	1,000 00	Wyld, Grasett & Darling	200 00

Convocation Hall.

The following subscriptions, given in the order of their receipt, have been made to the building fund:—

N. Quance, B.A.	$ 15 00	F. H. Clergue	1,000 00
S. Silcox, B.A., D.Paed.	20 00	Prof. G. A. Peters	200.00
A. E. Wallace	50 00	Prof. A. McPhedran	200 00
W. D. LeSueur, B.A.	25 00	Geo. Dickson, M.A.	100 00
F. F. Manley, M.A.	50 00	Miss M. E. T. Addison, B.A.	6 00
Professor W. H. Fraser.	150 00	G. Waldron, B.A.	50 00
James Loudon, M.A., LL.D.	250 00	University of Toronto Harmonic Club	50 00
F. B. Allan, M.A., Ph.D.	50 00	G. W. Ogilvie Dowsley, M.B.	15 00
Rev. J. W. Macmillan, B.A.	20 00	G. Kennedy, M.A., LL.D.	150 00
F. B. Kenrick, M.A., Ph.D.	50 00	B. G. Connolly ,M.B.	20 00
Miss W. A. Hutchison, B.A.	2 00	T. W. Wright, B.A.	25 00
Prof. F. Tracy	20 00	Rev. E. A. Wicher, M.A.	20 00
J. P. Hubbard, B.A., M.D.	50.00	Vice-President R. Ramsay Wright	250 00
Wm. A. Macdonald, M.B.	10.00	Prof. A. J. Bell	250 00
Prof. A. B. Macallum.	150 00	S. C. Smoke, B.A.	250 00
H. H. Collier, B.A.	20.00	H. M. Evans, B.A.	20 00
W. T. White, B.A.	250 00	W. W. McLaren, B.A.	10 00
G. H. Ling, B.A., Ph.D.	100 00	Jas. H. Lemon, B.A.	4 00
G. M. Murray, B.A.	10 00	W. D. Love, B.A.	10 00

J. W. Hobbs, B.A.....	10 00	Faculty of Royal College of Dental Surgeons.	400 00
Prof. W. Oldright.....	200 00	Prof. J. H. Cameron..	50 00
Prof. W. P. Caven....	200 00	Miss A. I. Dickson, B.A.	2 00
Dean Reeve	250 00	I. E. Martin, B.A....	50 00
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Prof. T. L. Walker....	100 00	W. G. Hanna, B.A....	5 00
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E. Frisby, M.A.....	20 00	G. C. Sellery, B.A.....	10 00
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Wm. Prendergast, B.A..	5 00	Prof. G. M. Wrong....	200 00
W. H. Metzler, B.A...	10 00	W. G. McFarlane, B.A.	10 00
S. King, B.A.....	25 00	R. W. Angus, B.A.Sc...	10 00
R. McKay, B.A.....	25 00	E. Simpson, B.A.....	10 00
R. D. McMurchy, B.A.	10 00	R. M. Stewart, B.A...	10 00
J. E. Dickson, B.A....	10 00	D. Forsyth, B.A.....	25 00
Rev. John Neil, B.A...	10 00	Prof. J. A. Amyot.....	22 50
Rev. W. G. Wallace, M.A.	25 00	Prof. J. F. McCurdy...	100 00
G. F. Hull, Ph.D.....	75 00	Prof. T. R. Rosebrugh.	25 00
C. J. Macgregor, B.A..	25 00	W. G. Eakins, B.A....	50 00
Miss E. E. Deroche, B.A..	4 00	P. H. Bryce, M.A., M.D.	50 00
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N. F. Coleman, B.A...	10 00	Prof. G. R. McDonagh.	50 00
G. A. Cornish, B.A....	15 00	David Clapp, B.A.....	5 00
G. G. S. Lindsey, B.A..	200 00	W. J. McCollum, M.B.	10 00
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S. M. Henry, M.D.....	10 00	E. P. Davis, B.A.....	100 00
J. Price Brown, M.D..	50 00	R. I. Warner, B.A....	10 00
R. J. Dwyer, M.B.....	200 00	Wm. Goldie, M.B.....	50 00
Prof. A. H. Wright...	100 00	A. G. Morphy, B.A....	20 00
Principal Hutton.....	150 00	A. G. Lefroy, B.A.....	10 00
Prof. G. H. Needler....	25 00	R. S. Cassels, B.A.....	25 00
Rev. A. Grant, B.A....	50 00	Robt. Smillie, B.A....	5 00
Veterinary College....	500 00	W. T. Green, B.A.....	5 00
		R. J. Hamilton, B.A...	10 00
		D. S. Cranston, B.A...	5 00

Miss E. R. Laird, B.A.	10 00
W. K. Stewart, B.A...	20 00
T. L. Buckton, B.A...	25 00
R. J. Clarke, B.A.....	25 00
W. Elmslie, B.A.....	10 00
R. D. Hume, B.A.....	10 00
B. A. Simpson, B.A...	15 00
E. M. Walker, B.A., M.B.	5 00
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G. A. Ferguson, B.A.	4 00
A. E. Ames.....	1,000 00
F. A. Carman, B.A...	10 00
Miss E. R. McMichael, B.A.	10 00
Rev. H. J. Cody, M.A., LL.D.	20 00
J. Ferguson.....	25 00
Prof. W. B. Thistle...	50 00
Sir Oliver Mowat.....	200 00
C. M. Carson, B.A....	20 00
W. C. Bray, B.A.....	5 00
F. H. Broder, B.A.....	5 00
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W. A. Craick, B.A....	5 00
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H. Lang, B.A.....	5 00
F. A. McDiarmid.....	5 00
G. F. McFarland, B.A.	5 00
T. N. Phelan, B.A., LL.B.	5 00
F. R. Phipps, B.A....	5 00
G. E. Smith, B.A.....	5 00
J. A. Soule, B.A.....	5 00
G. A. Thompson, B.A..	5 00
H. T. Wallace, B.A....	5 00
R. J. Younge, B.A....	5 00
Prof. A. Primrose.....	200 00
Miss E. E. Scott, B.A.	10 00
R. Wightman, B.A....	2 50
A. A. Knox, M.B.....	5 00
Sir J. A. Boyd.....	100 00
F. H. Wallace, B.A...	20 00
C. E. Race, B.A.....	10 00
T. Langton, M.A., LL.B.	10 00
Hon. J. M. Gibson....	100 00
Wm. Pakenham, B.A., D. Paed.	100 00
A. B. Watt, B.A.....	6 00
J. W. Forbes, B.A....	15 00
J. Montgomery, B.A...	10 00
J. A. Martin, B.A....	5 00
E. R. Paterson, B.A...	5 00
W. H. F. Addison, B.A., M.B.	5 00
Professor W. H. Ellis..	50 00
Hon. Sir Wm. Meredith.	250 00
Hon. Chief Justice Moss.	250 00
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Library Funds.

The King Alfred Millenary Fund, a donation from Professor Goldwin Smith and Mrs. Smith, $10,000.

The Phillips Stewart Fund, a bequest of $961.32, standing now, with accumulated interest, at $1,500.

Cash donations from a number of persons, towards the restoration of the library, after the fire of 1890, $30,302.14.

Donations of Books.

Since the destruction of the University Library by fire in 1890 upwards of 30,000 volumes have been presented by various persons and organisations. For a complete list of these see Appendix to Calendars since 1893. The following donations have been received between January, 1905, and January, 1906:—

Government of Belgium, 11 pamphlets.
British Columbia, 1 pamphlet.
Calcutta, 1 vol.
Canada, 44 vols.
Cape Colony, 1 vol.
England, 1 vol.
France, 10 vols., 4 pamphlets.
Italy, 2 vols., 7 pamphlets.
Montevideo, 1 vol.
New Zealand, 1 vol., 1 pamphlet.
New South Wales, 3 vols., 9 pamphlets.
Philippine Islands, 3 vols.
Ontario, 18 vols.
Quebec, 2 vols.
United States, 42 vols., 60 pamphlets.
Yukon, 1 vol.

State of Arizona, 1 pamphlet.
Connecticut, 1 vol.
Colorado, 1 pamphlet.

Florida, 1 pamphlet.
Idaho, 2 pamphlets.
Indiana, 1 vol.
Illinois, 1 pamphlet.
Iowa, 2 pamphlets.
Kansas, 1 pamphlet.
Kentucky, 1 vol.
Maine, 1 vol., 2 pamphlets.
Massachusetts, 3 vols.
Michigan, 8 vols., 1 pamphlet.
Missouri, 1 pamphlet.
Maryland, 2 vols.
New Jersey, 4 vols.
North Carolina, 1 pamphlet.
New York, 3 vols.
Ohio, 1 vol., 2 pamphlets.
Pennsylvania, 1 vol.
Vermont, 7 vols., 3 pamphlets.
Virginia, 1 vol.

Amer. Association for the Advancement of Science, 5 pamphlets.
American Philological Association, 1 vol.
Academia delle sci.fisische e mat., Naples, 1 vol.
Academie Royale des Sciences et des lettres de Danemark, 5 pamphlets.
Academie Imperiale des Sciences de St. Petersbourg, 10 pamphlets.
Aristotelian Society, 1 vol.
Bellevue Hospital, 1 pamphlet.
Birmingham Free Library Com., 1 pamphlet.
Boston School of Expression, 1 pamphlet.
Botanisches Museum zu Hamburg, 21 pamphlets.
British Medical Association, 1 vol.
Bremisches Statistches Amt., 2 vols.
British Association, 1 vol.
British Museum, 7 vols.
Bureau Communal de Statistique, Budapest, 3 vols., 2 pamphlets.
Canadian Industrial League, 1 vol.
Canadian Conference of Charities, etc., 1 pamphlet.
Carnegie Institution of Washington, 1 vol., 12 pamphlets.
Case School of Applied Science, 1 vol.
Central Conference of Amer. Tabbis, 1 vol.
Clinical Society of London, 1 vol.
College of Physicians of Philadelphia, 1 vol.
Chicago Board of Trade, 1 vol.
Delegates of the Press, Oxford, 1 vol.
Ecole Normale Laval, 1 pamphlet.
Essex Institute, 1 vol.

Field Museum of Natural History, 5 pamphlets.
Glasgow and West of Scotland Technical College, 1 vol.
Göteborgs Stadsbibliotek, 1 vol.
Guildhall Library, 12 vols., 4 pamphlets.
Hunterian Society, 1 vol.
Howard Memorial Library, 1 pamphlet.
Hamilton Scientific Association, 1 pamphlet.
Institut Botanique, Buitenzorg, 3 vols., 1 pamphlet.
International Com. Young Men's Christian Association, N.Y., 1 vol., 2 pamphlets.
Institute of Civil Engineers, 5 vols.
Insurance Institute of Toronto, 1 vol.
Institute of Chemistry Great Britain and Ireland, 1 pamphlet.
Instituto Fisico Geografico, Costa Rica, 1 pamphlet.
Instituto Geologico de Mexico, 3 pamphlets.
Institution of Mechanical Engineers, 2 vols.
Indiana Academy of Sciences, 1 pamphlet.
John Rylands Library, Manchester, 2 pamphlets.
Kiralyi magyar tudomany egyetem, 5 pamphlets.
Konigl. Preuss. Akad. d. Wissens., Berlin, 29 pamphlets.
Kansas Academy of Science, 1 pamphlet.
Konigl. Dansk vid selskab, Copenhagen, 15 pamphlets.
Kaiser, Akad. d. Wiesenschaften d. Wien, 45 pamphlets.
Lakeside Hospital, 1 pamphlet.
Lewes Institute, 1 pamphlet.
Lowell Observatory, 1 vol.
Musee Oceanographique de Monaco, 1 vol.
Minnesota Historical Society, 3 vols., 1 pamphlet.
Montana Law Library, 1 pamphlet.
Middlesex Hospital, 1 vol.
Manchester Museum, 2 vols.
Missouri Botanical Garden, 1 vol.
Montreal City Treasurer, 1 pamphlet.
National Hygienic Co., 1 vol.
Natural History Society of Glasgow, 3 vols.
Oberhess. Gesellschaft. f. Natur-u. Heilkunde, 1 pamphlet.
New York State Hospital for Crippled and Deformed Children, 1 pamphlet.
New York Historical Society, 1 vol.
Ontario Historical Society, 1 vol.
Ontario Educational Association, 1 pamphlet.
Pathological Society of London, 3 pamphlets.
Reale Accademia dei Lincei, 2 vols.
Reale Accademia delle Scienze, Torino, 3 pamphlets.
Royal Academy of medicine in Ireland, 1 vol.

Royal London Ophth. Hospital, 1 vol.
Royal Society of Edinburgh, 1 pamphlet.
Royal Dublin Society, 8 pamphlets.
Royal Irish Academy, 1 vol., 12 pamphlets.
Royal Colonial Institute, 1 vol.
Royal College of Physicians of London, 1 pamphlet.
Royal Society, 1 vol.
Royal Historical Society, 1 vol.
Rochester Academy of Science, 4 pamphlets.
Smithsonian Institution, 3 vols.
St. Thomas' Hospital, 1 vol.
Swedish Tourist Traffic Society, 1 pamphlet.
Sociedad Geografica de Lima, 1 vol.
Society for the Study of Diseases in Children, 1 vol.
Technische Hochschule zu Karlsruhe, 1 pamphlet.
Thompson Yates Laboratories, 2 vols.
Toronto City Engineer, 3 vols.
University Club, New York, 1 vol.
Verein f. Schlesische Insektenkunde in Breslau, 1 pamphlet.
Wisconsin Historical Society, 1 vol.
Wyoming Historical and Geological Society, 1 vol.
Zoological Society of London, 2 pamphlets.
Amsterdam, Universiteit, 41 pamphlets.
Auckland University, College, 1 vol.
Bern, Universität, 150 pamphlets.
Birmingham, University of, 1 vol.
Bonn, Universität, 88 pamphlets.
Basel, Universität, 60 pamphlets.
Bryn Mawr College, 6 pamphlets.
Canterbury College, 1 vol.
Chicago, University of, 1 vol., 34 pamphlets.
Colorado, University of, 1 vol., 2 pamphlets.
Columbia University, New York, 1 vol., 25 pamphlets.
Cornell University, 2 vols., 1 pamphlet.
Coimbra, Universidade de, 1 pamphlet.
Czernowitz, Universität, 2 pamphlets.
Cape of Good Hope, University of, 1 vol.
De Pauw University, 1 pamphlet.
Dijon, Université de, 1 pamphlet.
Dublin, University of, 3 vols.
Edinburgh, University of, 3 vols.
George Washington University, 1 vol.
Glasgow, University of, 3 vols.
Graz, Universität, 2 pamphlets.
Groningue, Univ., 11 pamphlets.

Habana, Universidad de la, 2 pamphlets.
Halle, Universität, 135 pamphlets.
Harvard University, 2 vols., 2 pamphlets.
Indiana, University of, 1 pamphlet.
Iowa, State University of, 1 vol.
Illinois, University of, 1 vol.
Jena, Universität, 108 pamphlets.
Johns Hopkins University, 35 pamphlets.
Knox College, 1 vol.
Königsberg, Universität, 62 pamphlets.
Kyoto Imperial University, 1 vol.
Lemberg, Universität, 1 pamphlet.
Leipzig, Universität, 7 pamphlets.
Leinden, Universiteit, 2 pamphlets.
Lund, Universitet, 8 pamphlets.
Leland Stanford University, 2 vols.
London, University of, 3 vols.
Louvain, Université de, 1 vol.
Manitoba, University of, 2 vols.
Missouri Valley College, 1 pamphlet.
Montpelier, Université de, 1 pamphlet.
Montreal Presbyterian College, 1 pamphlet.
McGill University, 3 vols., 1 pamphlet.
Michigan, University of, 6 vols., 25 pamphlets.
Manchester, Victoria University of, 18 vols.
Missouri, University of, 1 vol.
Nebraska, University of, 1 vol., 1 pamphlet.
New York, University of the State of, 22 vols., 22 pamphlets.
North Wales, University College of, 1 vol.
Northwestern University, Evanston, 1 vol., 1 pamphlet.
North Dakota State University and School of Mines, 1 vol.
Ohio State University, 1 vol., 1 pamphlet.
Ohio Wesleyan University, 1 vol., 1 pamphlet.
Owens College, 8 pamphlets.
Oxford, University of, 5 pamphlets.
Padova, Universitaria, 1 vol.
Pennsylvania, University of, 4 vols., 22 pamphlets.
Princeton University, 1 vol.
Pisa, Universitaria, 1 pamphlet.
Prag, Universität, 4 pamphlets.
Queen's University, 3 pamphlets.
Rostock, Universität, 120 pamphlets.
St. Andrew's, University of, 1 vol.
St. John's College, 1 pamphlet.
St. Joseph's College, University of, 1 pamphlet.

South Wales and Monmouthshire, University College of, 1 vol.
Sydney, University of, 1 vol.
Toulouse, Universite de, 12 pamphlets.
Texas, University of, 1 vol., 1 pamphlet.
Upsala Universitets, 1 vol., 28 pamphlets.
Utrecht, Universiteit, 29 pamphlets.
Vermont, University of, 1 vol.
Vienna, Universität, 6 pamphlets.
Western Reserve University, 1 pamphlet.
Wesleyan University, Middletown, 2 pamphlets.
Williams College, 2 vols.
Wisconsin, University of, 1 vol.
Yale University, 3 vols., 3 pamphlets.
Duc de Lubat, 1 vol.
Sir James Sawyer, 2 vols.
Appleton & Co., 13 vols.
American Law Book Co. 2 vols.
Brockhaus, F. A., 1 vol.
Burwash, Rev. Dr., 1 pamphlet.
Coleman, Prof. J. M., 1 vol.
Carlier, Prof. Wace, 1 pamphlet.
Crozier, J. Beattie, 1 vol.
Eaton, Rev. A. W., 2 vols.
Fergus, Dr. Freeland, 10 vols.
Grassett, Dr. F. LeM., 47 vols.
Gibson, Dr. G., 5 vols.
Geisler, Victor, 1 pamphlet.
Hanna, Hon. W. J., 1 pamphlet.
Janet, Charles, 3 pamphlets.
Johannsen, N., 2 pamphlets.
Kunz, Dr. G. F., 1 pamphlet.
Lawson, Andrew C., 1 pamphlet.
Macmillan & Co., 2 vols.
Mackenzie, Dr. J. J., 29 vols., 5 pamphlets.
McAleer, Dr. Geo., 1 vol.
McMullen & Co., 3 vols.
Marvin, Dr. F. R., 2 vols.
Oldright, Dr. W., 1 vol.
Potter, Prof. M. C., 4 vols.
Payne, R. M. Horne, 1 vol.
Poulton, Prof. E. B., 1 vol.
Roy, Rev. James, 2 vols.
Sprague, Prof. Chas. E., 1 vol.
Street, Miss E., 3 vols.
Thompson, D., 1 vol.

Edw. Thompson Co., 4 vols.
Turton, Major W. H., 1 vol.
Tutin, J. R., 1 pamphlet.
Woodward, A. S., 1 vol.
Trustees and family of the late Dr. James Young, of Kelly, 2 vols.

Biological Museum.

The following donations have been received by the Museum of the Biological Department during the year 1906:—

1. Tympanic bone of fin-back whale, presented by Professor Prince.

2. Skin of flying-squirrel from Honan, North China, by Rev. John Griffith, B.A.

3. Specimens of Chubb, Algonquin Park, by Dr. Ellis.

4. Collection of stick insects from Niagara, by J. G. Williams, Esq.

5. Collection of corals from Bermuda, by E. O. Cowdry, Esq., of 2nd Year.

6. Collection of sea-urchins and shells from Mauritius, made by the late Rev. Walter M. Roger, E.O., Peterborough, and presented by Mrs. Roger.

7. Hawk, presented by Mr. Fairchild, Whitby, and horned-owl, presented by Col. Sweny, Toronto.

Geological Museum.

Considerable material has been obtained by purchase of which only the most important are here enumerated:—

A large and perfect specimen of Mystriosaurus bollensis.

A collection of Niagara, Upper Helderberg and Hamilton Stromatoperoides from southern Indiana and Kentucky.

Corals and Crinoids from the same region.

Crinoids and Bryozoa from Cincinnati.

A small collection of very fine museum specimens of economic minerals.

By donation—

Dr. B. E. Walker, three new species of Niagara Bryozoa, (Bassler's types.)

A very large Endoceras from Collingwood.

Concretions from the North Shore of Lake Superior.

A large slab of Lower Helderberg Crinoids. (From Yale University, per Dr. Walker.)

Mr. Geo. Glendenning, Niagara fossils from Cobalt.

Per Joseph Townsend, collector for the Museum.

Trenton fossils from Pauquette's Rapids.

Silurian fossils from Manitoba.

Vertebrate material from Alberta.

Devonian fossils from Pelee Island, including a very fine jaw of Onychodus sigmoides.

Mineralogical Museum.

The museum has been strengthened during the year 1906 by the purchase of general museum material and especially by the addition of a type set of the rocks of Southern Norway collected and arranged under the direction of Professor C. W. Brögger, University of Christiania.

The following gentlemen have made valuable donations during the year 1906:—

1. B. E. Walker, Esq.—Series of volcanic rocks from the Yellowstone National Park.

2. Louis Jacobs, Esq.—Specimens of Dyscrasite from Kerr Lake Mining Company, Cobalt, Ont.

3. Messrs. H. L. Kerr and George Clendening.—Fine suite of minerals from the University Mine, Cobalt, Ont.

4. Professor A. P. Coleman.—Series of minerals and rocks representing the occurrence and association of the Corundum and Sodalite in Central Ontario.

5. The Trail Smelting Company, Trail, B.C.—A complete series of the ores, slags and metallurgical products representing the processes followed in their works.

Portraits and Works of Art.

The following portraits and works of art have been presented to the University:—

1. A portrait of the late Hon. William Hume Blake (oil painting by T. Hamel), presented by the Hon. Edward Blake.

2. A portrait of the Hon. Edward Blake, Chancellor 1876-1900 (oil painting by E. Wyly Grier), presented by graduates and friends.

3. A portrait of Prof. E. J. Chapman (oil painting by Miss Frances Sutherland), presented by the artist.

4. A portrait of the late Professor Henry Holmes Croft (oil painting by A. Dickson Patterson), presented by friends of Professor Croft.

5. A portrait of the late President Dr. McCaul (oil painting by A. Dickson Patterson), presented by the artist.

6. A portrait of the late Hon. Thomas Moss, Chief Justice of Ontario, Vice-Chancellor 1875-1881 (oil painting by Miss C. S. Berthon, copy of oil painting by M. Berthon), presented by the Hon. Charles Moss, Chief Justice of Ontario, Vice-Chancellor of the University.

7. A portrait of the late Right Reverend Bishop Strachan (oil painting copy), presented by the Council of University College.

8. A portrait of the late President Sir Daniel Wilson (oil painting by A. Dickson Patterson), presented by friends of Sir Daniel Wilson.

9. A portrait of Professor E. J. Chapman (oil painting by A. Dickson Patterson), presented by graduates and friends.

10. A marble bust of the late Professor George Paxton Young (by Hamilton McCarthy), presented by friends of Professor Young.

11. A portrait of the late Professor George Paxton Young (oil painting by W. Allaire Shortt), presented by the artist.

12. Steel engraving of Sir John Colborne, afterwards Lord Seaton, Lieutenant-Governor of Upper Canada from 1830 to 1838, presented by Mr. Henry Hutchison.

13. "The Call to Duty" (oil painting by Paul Giovanni Wickson), presented to the Medical Faculty by the artist.

14. The "Marriage of the Duke of York," and "The King of Denmark's First Visit," commemorative medals, presented by the Town Clerk of London, Eng.

15. Bronze medal commemorative of the sesquicentennial anniversary of the founding of the College of New Jersey (Princeton University), presented by the Trustees of Princeton University.

16. Bronze medal commemorative of the 150th anniversary of the capture of Louisbourg in 1745, presented by the Louisbourg Memorial Committee of the General Society of Colonial Wars.

17. Bronze medal commemorative of the 50th anniversary of Sir George Gabriel Stokes' appointment to a professorship in the University of Cambridge.

18. Busts of Dr. W. T. Atkins, Dr. J. H. Richardson, and Dr. H. H. Wright, by the Medical Faculty and other friends.

19. Bust of the late Hon. George Brown, and portrait of the late Professor Croft, by Dr. Reeve.

20. Portraits of their Royal Highnesses the Prince and Princess of Wales, presented by their Royal Highnesses, as a souvenir of their visit to the University in 1901.

21. Portrait of the Hon. Sir William Mulock, M.P., LL.D., Ex-Vice-Chancellor of the University, presented by members of the Senate and other friends.

22. A steel engraving after Turner, by the late Sir Daniel Wilson, presented by Charles James Heywood, Esq., Manchester, Eng.

23. A collection of medals and coins, bequeathed by the late Dr. Scadding.

24. Portrait of Professor Goldwin Smith, presented by J. Ross Robertson, Esq.

University College.

BENEFACTIONS AND DONATIONS.

Residence Extension Fund.

Dr. A. H. Barbour, Edinburgh. 484 00

Sir Daniel Wilson. 200 00

Women's Residence Fund.

In 1893 an association of ladies was formed with the object of obtaining funds for the erection of a residence for women students in connection with University College. The work of obtaining subscriptions was begun. But as the amount obtained remained inadequate, the Provincial Government, in 1905, set apart 92,160 acres of land, the proceeds of which are to be devoted to this object. In the meantime, the Board of Trustees has opened a house in Queen's Park, to be called Queen's Hall, which has accommodation for forty-eight students, and is presided over by Mrs. Campbell.

Subscriptions paid as at 25th January, 1906:—

Dr. W. L. T. Addison...	100 00	Miss E. M. Curzon.....	4 00
Mrs. Addison.....	10 00	Miss L. Darling (Mrs.	
Mrs. W. H. B. Aikins..	5 00	Warner).....	2 50
Mr. Baird.....	5 00	Miss A. Dickey.....	6 00
Miss A. W. Ballard....	5 00	Miss Edgar.....	5 00
Miss E. M. Balmer....	25 00	W. R. F.....	2 00
Miss J. Balmer.....	25 00	Mr. J. W. Flavelle.....	50 00
Dr. & Mrs. Barbour....	485 55	Miss E. C. Fleming....	25 00
Mr. Alfred Benjamin..	10 00	Prof. Fletcher.....	25 00
Miss C. C. Benson.....	10 00	Prof. W. H. Fraser.....	100 00
Hon. Edward Blake....	500 00	A. Friend.....	5 00
Mrs. Edward Blake....	500 00	A. Friend.....	5 00
Mrs. A. Briggs.....	9 00	A. Friend.....	5 00
Mrs. Geo. Brown.....	48 50	Miss H. J. Gervais.....	1 00
Miss E. Bunnell.....	2 00	A Graduate.....	2.00
Mrs. A. F. Campbell...	1 00	A Graduate.....	50
Mr. A. H. Campbell....	25 00	Mr. W. B. Hamilton....	100 00
Through Miss Carter,		Mrs. W. B. Hamilton...	100 00
(Elora).....	36 00	Miss Julia Hillock.....	30 00
The Misses Carty.....	50 00	Mrs. E. C. Jeffrey.....	2 00
Mr. Wm. Christie.....	500 00	Mrs. Ed. Jones.....	8 00
Miss N. Cleary.....	2 00	Mrs. Larkin.....	76 00
Miss E. N. Cluff.....	8 00	President Loudon.....	50 00
Miss Julia Cowan.....	10 00	Mrs. Loudon.....	50 00
Mr. James Coyne.....	25 00	Miss A. C. Macdonald..	8 00
Mr. James Crane.....	5 00	Miss Grant Macdonald..	20 00
Miss E. Creighton.....	6 00	Mrs. McGillivray.....	5 00

Mrs. Wm. McKenzie....	300 00	Miss N. Spence.....	25 00
Mrs. MacLennan.....	10 00	Prof. J. Squair.....	100 00
Miss E. R. McMichael..	2 00	Mrs. Sweny.....	20 00
Mr. W. J. Mitchell.....	5 00	Miss Thomas.....	5 00
Miss Mowat.....	25 00	Miss Veals.....	10 00
Sheriff Mowat.....	25 00	Mr. B. E. Walker.....	100 00
Dr. Osler.....	25 00	Hiram Walker & Sons..	1,000 00
Mrs. E. B. Osler.....	50 00	The Robert Watson Co..	100 00
Mr. John Penman.....	50 00	Miss Wilson.....	25 00
Mrs. R. A. Reeve.....	40 00	Senator A. T. Wood...	250 00
Mrs. J. Ross Robertson.	25 00	Prof. R. Ramsay Wright.	100 00
Miss C. Ross.....	25 00	Miss Landon Wright...	25 00
Miss Alice Rowsome....	5 00	Women Students (Class '95).....	16 00
Miss C. Smith.....	2 00		

Proceeds from Lectures, etc.

Conservatory of Music (Parcifal).....	155 15	Saturday Lectures, (1899).....	353 00
College of Music (Antigone, '92).....	113 25	Saturday Lectures, (1900).....	15 35
Greek Play, '01.....	540 15	Woman's Glee Club (1899).....	19 00
Ladies' Association, Ottawa.....	85 85	Woman's Glee Club (1900).....	15 35
Ladies' Association, Toronto.....	61 45	Collections from subscription books (less expenses).....	49 42
Prof. Morse Stephens' Lecture.....	113 57		

The following have given books, pictures, etc., to the Women's Residence:—Principal Hutton, Professors Ramsay Wright, Reeve, Vander-Smissen, Irving, Cameron, Wrong, Coleman, Primrose, Needler, DeLury, Alexander, Lang, Macallum, Walker, Monsieur de Champ, Dr. James Bain and Mrs. Bain, Mrs. Ramsay Wright, Mrs. F. J. A. Davidson, Mrs. Mortimer Clark, Hon. Justice Moss, Mrs. Kennedy, Mrs. W. B. Hamilton, Miss Hamilton, Mrs. James Scott, Mrs. Jeffrey, Miss Greig, Miss Salter, Miss Northwood, Mr. Tyrrell.

UNIVERSITY STUDIES.

The following is a list of studies published up to January, 1907.

History and Economics.

Review of Historical Publications relating to Canada, edited by Professor GEORGE M. WRONG and H. H. LANGTON.

Vols. V.-X. Publications of the years 1896-1905.

Vols. 2, 3, 5, 6, 7, 8, 9, 10, each $1.50 (in cloth).

Vols. 1 and 4, each $2.00 (paper cover), only sold with complete sets.

Index to Vols. V.-X. $1.00

History and Economics, Vol. I. comprising

1. Louisbourg in 1745, the anonymous "Lettre d'un Habitant de Louisbourg," edited and translated by Professor GEORGE M. WRONG. 0.75
2. Preliminary stages of the peace of Amiens, by H. M. BOWMAN. 0.75
3. Public debts in Canada, by J. ROY PERRY. 0.50

Do. Vol. II. No. 1: City government in Canada by S. MORLEY WICKETT. Westmount, a municipal illustration, by W. D. LIGHTHALL. Municipal government in Toronto, by S. MORLEY WICKETT. 0.50

Do. No. 2: Municipal government in Ontario, by A. SHORTT. Municipal organisation in Ontario, by K. W. MCKAY. Bibliography of Canadian municipal government, by S. MORLEY WICKETT. 0.50

Do. No. 3: Municipal history of Manitoba, by ALAN C. EWART. Municipal Government in the North-West Territories, by S. MORLEY WICKETT. Municipal Institutions in the Province of Quebec, by R. STANLEY WEIR. Bibliography (supplementary), by S. MORLEY WICKETT. 0.50

Do. Vol. III. No. 1: A colony of Emigrés in Canada, 1789-1816, by LUCY ELIZABETH TEXTOR. 1.00

Do. Extra volume: Early trading companies of New France, by H. P. BIGGAR. . . . . o.p.

Philology.

Philological Series, No. 1: The Anglo-Saxon Scop, by L. F. ANDERSON. $0.50

Do. Extra volume: Golding's A Tragedie of Abraham's Sacrifice, edited with an introduction, notes and an appendix containing the Abraham Sacrifiant of Theodore Beza, by M. W. WALLACE. 2.50

Psychology.

Psychological Series, Vol. I., comprising

1. Spatial threshold of colour, by W. B. LANE, with appendices 0.75
2. A contribution to the psychology of time, by M. A. SHAW and F. S. WRINCH. 0.75
3. Experiments on time relations of poetical meters, by J. S. HURST and JOHN MCKAY. 0.75
4. Conceptions and laws in aesthetics, by Professor A. KIRSCHMANN. Experiments on the aesthetic of light and colour, by EMMA S. BAKER. Experiments with school children on colour combination, by W. J. DOBBIE. 1.50

Do. Vol. II. No. 1: The conception and classification of art from a psychological standpoint, by Professor O. KÜLPE. Spectrally pure colours in binary combinations, by EMMA S. BAKER. On colour-photometry and the phenomenon of Purkinje, by R. J. WILSON. Experiments on the function of slit-form pupils, by W. J. ABBOTT..... 1.50

Do. No. 2: Combinations of colours and uncoloured light, by SUSIE A. CHOWN. The complementary relations of some systems of coloured papers, by D. C. MCGREGOR and D. S. DIX. Some photometrical measurements, by W. G. SMITH. Stereoscopic vision and intensity, by T. R. ROBINSON..... 1.50

Do. No. 3: Combinations of colours with tints and with shades, by T. LOUIS BARBER. Stereopic vision and intensity (second paper), by T. R. ROBINSON..... 1.50

Biology.

Biological Series, No. 1: The gametophyte of Botrychium Virginianum, by E. C. JEFFREY..... o.p.

Do. No. 2: The anatomy of the Osmundaceae, by J. H. FAULL.. 0.50

Do. No. 3: On the identification of Meckelian and mylohyoid grooves in the jaws of Mesozoic and recent mammalia, by B. ARTHUR BENSLEY..... o.p.

Do. No. 4: The megaspore-membrane of the Gymnosperms, by R. B. THOMSON..... 1.00

Do. No. 5: The homologies of the stylar cusps in the upper molars of the Didelphyidae, by B. ARTHUR BENSLEY..... 0.50

Physiology.

Physiological Series, No. 1: The structure, micro-chemistry and development of nerve-cells, with special reference to their nuclein compounds, by F. H. SCOTT.....$0.50

Do. No. 2: On the cytology of non-nucleated organisms, by Professor A. B. MACALLUM..... 0.75

Do. No. 3: Observations on blood pressure, by R. D. RUDOLF.. 0.75

Do. No. 4: The chemistry of wheat gluten, by G. G. NASMITH. 0.56

Do. No. 5: The palæochemistry of the ocean, by Professor A. B. MACALLUM..... 0.25

Do. No. 6: The absorption of fat in the intestine, by G. E. WILSON..... 0.50

Anatomy.

Anatomical Series, No. 1: The anatomy of the Orang-Outang, by Professor A. PRIMROSE..... 1.00

Pathology.

Pathological Series, No. 1: Studies upon the influence of tension in the degeneration of elastic fibres of buried aortae, by W. H. HARVEY. 0.25

Geology.

Geological Series, No. 1: The Huronian of the Moose River basin, by W. A. PARKS. 0.50

Do. No. 2: The Michipicoten iron ranges, by Professor A. P. COLEMAN and W. A. WILLMOTT. 1.00

Do. No. 3: The geology of Michipicoten Island, by E. M. BURWASH. 1.00

Physical Science.

Physical Science Series, No. 1: Induced radioactivity excited in air at the foot of waterfalls, by Professor J. C. MCLENNAN.
Do. No. 2: Some experiments on the electrical coductivity of atmospheric air, by Professor J. C. MCLENNAN and E. F. BURTON. . . . . } .50

Do. No. 3: On the radioactivity of metals generally, by Professor J. C. MCLENNAN and E. F. BURTON. 0.25

Do. No. 4: A radioactive gas from crude petroleum, by E. F. BURTON. 0.25

Papers from the Chemical Laboratories.

No. 40: The oxalates of bismuth, by F. D. ALLAN. $0.25

No. 41: The economic admission of steam to water gas producers of the Lowe type, by G. W. MCKEE. 0.25

No. 42: The rate of formation of iodates in alkaline solutions of iodine, by E. C. L. FORSTER. 0.25

No. 43: Numerical values of certain functions involving e^{-n} by Professors W. LASH MILLER and T. R. ROSEBRUGH. . . . 0.50

No. 44: A reaction whose rate is diminished by raising the temperature, by CLARA C. BENSON. 0.25

No. 45: On the decomposition of benzene at high temperatures, by G. W. MCKEE. 0.25

No. 46: The action of liquified ammonia on chromic chloride, by Professor W. R. LANG and C. M. CARSON. Note on the action of methylamine on chromic chloride, by Professor W. R. LANG and E. H. JOLIFFE. 0.25

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Theses Accepted for the Degree of Doctor of Philosophy.

FREDERICK HUGHES SCOTT. 1900.
The Structure, Micro-Chemistry and Development of Nerve Cells, with special reference to their nuclein compounds. University of Toronto Studies, Physiological Series, No. 1. 1900. Transactions of the Canadian Institute. 1898-99, Vol. 6, Parts 1 and 2, pp. 405-438.

JOHN CUNNINGHAM MCLENNAN. 1900.
Electrical Conductivity in Gases Traversed by Cathode Rays. 1900. Philosophical Transactions of the Royal Society of London. Series A., Vol. 195, pp. 49-77.

WILLIAM ARTHUR PARKS. 1900.
The Huronian of the Basin of the Moose River. University of Toronto Studies, Geological Series, No. 1, 1900.

FRANCIS BARCLAY ALLAN. 1901.
The Basic Nitrates of Bismuth. 1901. American Chemical Journal, Vol. XXV., No. 4, April, 1901, pp. 307-315.

ROSS GEORGE MURISON. 1902.
The Mythical Serpents of Hebrew Literature, 1902.

RICHARD DAVIDSON. 1902.

The Semitic Permansive-Perfect, 1902.

WALTER REUBEN CARR. 1903.

On the Potential Difference required to produce electrical discharges in gases at low pressure, an extension of Paschen's Law.

Transactions of the Royal Society of Canada, Second Series, 1902-1903. Vol. VIII., section III., pp. 161-182. 1902.

On the Laws governing electric discharges in gases at low pressures.

Philosophical Transactions of the Royal Society of London, Series A., Vol. 201, pp. 403-433.

EMMA SOPHIA BAKER. 1903.

Experiments on the Æsthetic of Light and Colour. University of Toronto Studies, Psychological Series, Vol. I., No. 4.

Spectrally Pure Colours in Binary Combinations. University of Toronto Studies. Psychological Series, Vol. II., No. 3. 1902.

GEORGE GALLIE NASMITH. 1903.

The Chemistry of Wheat Gluten.

University of Toronto Studies. Physiological Series, No. 4.

The Transactions of the Canadian Institute, Vol. VII. 1903.

CLARA CYNTHIA BENSON. 1903.

The Rates of Reactions in Solutions containing Ferrous Sulphate, Potassium Iodide and Chromic Acid.

The Journal of Physical Chemistry, May, 1903, pp. 356-388.

WILLIAM EDINGTON TAYLOR. 1903.

The Ethics and Religious Theories of Bishop Butler.

Toronto: The Bryant Press. 1903.

THOMAS EAKIN. 1905.

The Text Book of Habakkuk, chap. I. 1—II. 4.

Toronto: E. D. Apted, n.d.

THOMAS RUTHERFORD ROBINSON. 1906.

Stereoscopic Vision and its Relation to Intensity and Quality of Light Sensation. University of Toronto Studies. Psychological Series, Vol. II., Nos. 2 and 3. Reprint. n.d.

JOHN RANSON ROEBUCK. 1906.

The rate of the Reaction between Arsenious Acid and Iodine in Acid Solution; the rate of the reverse Reaction; and the Equilibrium between them.

The Journal of Physical Chemistry, Vol. VI., p. 365, and Vol. IX., p. 727. Reprint. n.d.

MAITLAND CREASE BOSWELL. 1907.

The Course of the Oxidation of B-Naphthoquinone to Phthalic Acid and the Detection and Estimation of A-Naphthoquinone, B-Naphthoquinone, Pthalonic Acid and Phthalic Acid.

Toronto: The University Press. n.d.

RALPH EMERSON DELURY. 1907.

The Rate of Oxidation of Arsenious Acid by Chromic Acid and the Induction by Arsenious Acid of the Reaction between Chromic and Hydriodic Acids.

The Journal of Physical Chemistry, Vol. XI. Reprint. n.d.

Local Lectures.

To meet the demand for popular lectures on literary and scientific subjects, a committee of the Councils has been annually appointed for several years back to arrange for the delivery of such lectures by members of the Faculty at various centres throughout the Province, and also in Toronto. In order to extend the benefits of the lectures as widely as possible, the services of the lecturers are placed at the disposal of any literary or scientific organization desiring them, as far as is consistent with the academic engagements of the lecturers. During the present academic year 35 lectures have been delivered at 14 local centres. The following programme of lectures was prepared and circulated early in the session:—

DR. ALBERT H. ABBOTT—

(1) The Psychology of Reading; (2) The Origins of Modern Philosophic Thought.

Dr. Abbott is also prepared to deliver (1) a short course of lectures in General Psychology and (2) special lectures in Experimental Psychology. The latter can be given only in Toronto.

PROFESSOR ADAM CARRUTHERS—

(1) Classical Echoes in Tennyson; (2) Rhymes and Rhythms of Tennyson; (3) Tennyson as Scientist and Philosopher; (4) The Mycenæans and their Civilisation*; (5) The Greek Theatre*; (6) Ancient Greek Sculpture*; (7) Greek and Græco-Roman Painting*; (8) Ancient Greek Vases*; (9) Ancient Greek Architecture*.

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(1) The Secrets of the Sun*; (2) The Universe of Stars*.

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(1) The Canadian Lakes; (2) The Rivers of Canada; (3) The Ice Age; (4) Mountain Building; (5) The Tooth of Time; (6) The Opening up of Canada; (7) Through South Africa to Victoria Falls; (8) Tropic Seas and African Ports; (9) Mexican Volcanoes.

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Professor Hutton is also prepared to deliver a series of lectures on the Antigone of Sophocles.

DR. G. W. JOHNSTON—

(1) Pompeii, its Life and Art as revealed by Modern Excavations*; (2) Some Recent Discoveries in the Roman Forum and their Historical Significance*; (3) The Roman House, its Architecture, Furnishing, Decorations, etc*; (4) Town Life in Ancient Italy*; (5) Roman Art*.

PROFESSOR D. R. KEYS—

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(1) The Message of Israel; (2) Our Debt to the East; (3) Bible Lands and Peoples; (4) The Cradle of our Civilisation; (5) Our Eastern Words and Their Story; (6) The Bible in the Schools; (7) The Poetry of the Bible; (8) Greece, Rome and Israel; (9) The Prophets of Israel; (10) War and Religion, an Historical Study; (11) The Old World and the New; (12) The Bible and Modern Life.

PROFESSOR J. F. MCLAUGHLIN—

(1) The Story of the Hebrew Bible; (2) The Story of the English Bible; (3) The Poetry of the Hebrews; (4) Job; (5) Mohammed and his Koran; (6) The Progress of Bible Study in the 19th Century; (7) Babylon and the Bible.

PROFESSOR S. J. MCLEAN—

(1) Stock Exchanges and their Work; (2) Industrial Combinations.

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A course of lectures on the Social and Economic Causes of the Fall of the Roman Republic.

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(1) The Universities of Germany; (2) The German Empire and its People; (3) Germans in America, their Origin and History; (4) Heinrich Heine; (5) Luther from the Literary Standpoint; (6) The Nibelungenlied and Germany's National Epic Poetry.

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PROFESSOR G. OSWALD SMITH—

The Roman Occupation of Britain*.

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PROFESSOR MCGREGOR YOUNG—

(1) International Law and Recent Wars; (2) The Monroe Doctrine; (3) Federal Government; (4) The English Constitution.

Saturday Public Lectures.

The following lectures were delivered in the University of Toronto during the session of 1906-1907:—

Subject.	*Lecturer.*
"India" and "The Japanese War"	Captain Scott-Harden, F.R.G.S.
Somaliland and the Mad Mullah	Captain Scott-Harden, F.R.G.S.
On the Music of the Spoken Voice	Miss Florence Farr.

University Extension.

The following statute, relating to University extension work, was passed by the Senate in April, 1894:—

1. A standing committee of seven members of Senate shall be appointed annually for the purpose of carrying on "University Extension" work of a kind similar to that carried on under the same designation in connection with the Universities of Cambridge and Oxford.

2. The committee shall have authority to appoint a secretary, define his duties and fix his remuneration.

3. No part of the expense incurred for teaching and examining done at "local centres" of instruction, or for secretarial work done under the authority of the Committee, or for any other purpose connected with

**With lantern illustrations.*

University extension, shall be a charge on the ordinary revenue of the University.

4. It shall be the duty of the Committee, subject to ratification by the Senate, to appoint teachers and examiners for approved or prescribed courses of study at local centres, and to grant certificates to such students as may have passed the final examination in each course, and complied with other conditions prescribed from time to time by the Committee.

5. It shall be the duty of the secretary to keep a register, in which shall be entered the name and address of each student who obtains a certificate with a description of the course of study in which he has passed, and such other particulars as the Committee may from time to time order to be inserted.

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The University of Toronto Alumni Association was organized in 1900. It has thirty-five branches in various parts of Canada and the United States. Its official organ is *The University of Toronto Monthly*, whose editor is Professor J. Home Cameron.

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The Athletic Association is now the controlling body in University Athletics, and has entire jurisdiction over the athletic clubs using the University name, and over their finances, members and policy, subject to the University authorities. Henceforth no financial arrangement can be entered into by any such club without the sanction of the Directorate. No expenditure of any kind in connection with any such club can be made without the written order of the Secretary-Treasurer of the Directorate.

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The Gymnasium.

The Gymnasium, including gymnasium proper, locker rooms and baths, is open daily from 8.30 to 6 p.m. to all members.

The following is the time-table for class work, including military drill:—

Gymnasium Class.....4 to 6.15 p.m., Monday, Wednesday, Friday.
Fencing Class.....4 to 6.15 p.m., Tuesday, Thursday.
General Work.....Saturday (all day).
Ladies' Fencing Class.....11 to 12, Monday.
Ladies' Fencing Class.....10 to 12, Tuesday.
Ladies' Fencing Class.....3 to 4, Thursday.
Ladies' Fencing Class.....11 to 1, Saturday.

Work in the Gymnasium will begin promptly the first week in October. During the Fall Term a course of instruction will also be given in rifle drill, bayonet, quarter-staff, dumb-bells and club-swinging, and instruction in boxing and wrestling may be obtained. During the hours that Class work is going on, all members other than those in the Class will be excluded from the floor. All members wishing information as to further regulations are requested to write the instructor, Sergeant Williams, or to some of the members of the Executive.

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Rep. Jr. Medical.....H. Clarke
Rep. Sr. S.P.S.....F. F. Montague
Rep. Jr. S.P.S.....W. McSloy
Rep. Victoria....W. W. Davidson
Rep. Trinity.....J. King
Rep. Wycliffe.....H. Green
Rep. Pharmacy.....T. Watson
Rep. Dental.....H. L. Cheney

Lawn Tennis Club.

PATRONS—Dr. Goldwin Smith, J. W. Flavelle, LL.D., Dr. M. W. Wallace, Dr. E. R. Hooper, Professor Mavor.
Hon. Pres.....E. J. Kylie, B.A.
Hon. Vice-Pres.....A. W. McPherson, B.A.
Pres.....Dr. W. B. Hendry
Sec.-Treas.....G. A. Urquhart
Committee.....T. G. McHugh
" .....G. G. Kilpatrick
" .....P. G. Kiely
" .....F. Y. McEachern
" .....W. L. MacDonald

Fencing Club.

Hon. Pres....Rev. R. M. Millman
Pres.....A. R. Beverley
Vice-Pres.....J. T. McCurdy
Sec.-Treas.....L. W. Klingner
Curator.....A. E. K. Bunnell

Chess Club.

Hon. Pres.....Prof. J. Mavor
Pres.....S. W. Fields
Vice-Pres.....R. C. Halliday
Sec.-Treas.....G. Urquhart
Rep. S. P. S......G. Jones
Rep. Meds.....G. W. Anderson
Rep. Arts.....H. K. Baird

Rifle Association.

Hon. Pres.....President Loudon
Hon. Vice-Pres..Prof. W. R. Lang
Captain.....Prof. A. T. DeLury
Lieutenant.....N. K. Wilson
Lieutenant.....E. L. McColl
Lieutenant.....E. L. C. Forster
Lieutenant.....D. F. Keith
Lieutenant.....W. H. Bryden
Secretary.....Thomas Moss
Treasurer.....K. G. Fletcher

Representatives—
University College.....
.....N. S. Harton
Victoria College.....
.....J. A. M. Dawson
Trinity College....W. W. Judd
Faculty of Medicine.G. R. Cram
Faculty of Applied Science....
.....C. Hamilton

The Undergraduates' Parliament.

This organization is an outgrowth of the Students' Parliament which was formed in 1905-6. Its membership is composed of delegates elected by the male undergraduates of the various colleges and faculties constituting the University of Toronto, the number of delegates from each college or faculty being five per cent. of the men registered in it. The Executive consists of a President, elected by the whole Parliament, and one representative from each of the colleges or faculties. The object of the Parliament is the furtherance of University interests. The meetings are held monthly or at the discretion of the Executive. The members of the Executive for 1906-7 are:—

President.....Professor Baker
Vice-Pres...S. M. Eastman (U.C.)
Sec.....G. R. Philp (Med.)
Treas.....Arnold (Dent.)

Councillors:
John Lang (Applied Sc.)
L. V. Redman (Trin.)
J. E. Gibson (Wyc.)
J. E. Thompson (Knox)
From Victoria
To be elected)

UNIVERSITY COLLEGE STUDENT SOCIETIES.

Young Men's Christian Association.

The Y.M.C.A. of University College was organised in 1873, and incorporated in 1892. The Association had no permanent quarters until the erection of the present building in 1886.

The Canadian Colleges' Mission in connection with the Y.M.C.A. seeks to interest the students of the University in the different phases of Foreign Mission work, and will, this year, contribute to the support of the work among the students of the University of Calcutta. The C.C.M. includes now nearly all the institutions of higher learning in Canada, and issues a monthly paper devoted to the discussion of missionary topics.

The officers are: President, Prof. Hume; Treasurer, Dr. W. Harley Smith; Secretary, J. L. McPherson, M.A.; Assistant Secretary, T. W. Graham.

The following are the officers of the Y.M.C.A. for 1906-1907:—

Pres.....C. M. Wright
1st Vice-Pres.....H. H. Davis
2nd Vice-Pres....W. L. McDonald
Recording Sec.....H. A. Boyd
Treasurer.....C. A. Mustard
Asst. Treas.....W. M. Johnson

Conveners of Committees—

Fall Campaign....M. F. Dunham
Membership.....H. P. Duckworth
Devotional.....J. P. Cannon
Bible Study.....W. A. Cameron
Missionary.....N. A. MacEachern, T. A. Symington
City Missions.....H. A. McTaggart, J. R. Sanderson
Book Department....L. J. Ladner
Music.....H. E. Thornloe

Young Women's Christian Association.

Hon. Pres.....Mrs. M. W. Wallace
Pres.....Miss Pearl Osborne
Vice-Pres.....Miss Carrie Knight
Treasurer.....Miss F. Harrison
Rec. Sec.....Miss B. Kilpatrick
Cor. Sec.....Miss A. Dulmage
Librarian.....Miss B. McKelvey

Conveners of Committees—

Membership.....Miss R. Gilray
Missionary.....Miss R. Dugit
Bible Study.....Miss K. Stewart
Lunch Room...Miss M. Anderson
Music.....Miss M. Steele
Mission Study.....Miss M. Ross

Literary and Scientific Society.

1906-07.

Pres....Eric Armour, B.A., LL.B
1st Vice-Pres....C. F. Ritchie, '07
2nd Vice-Pres....J. A. Caryle, '08
3rd Vice-Pres..G. N. Kennedy, '09
Rec. Sec.....N. L. Croome, '07
Critic.....John Richardson, '07
Curator.....S. W. Fields, '07
Cor. Sec.....P. K. Menzies, '08
Treas.....C. E. Silcox, '08
Sec. of Com.....J. C. Fisher, '09
Hist. Sec.....H. C. Cook, '07
4th Yr. Coun..R. S. Pentecost, '07
3rd Yr. Coun..E. C. Ironsides, '08
2nd Yr. Coun.E. G. McMillan, '09
2nd Yr. Coun..C. E. Snowden, '09
1st Yr. Coun....J. A. Jackson, '10
1st Yr. Coun....J. F. McLay, '10

Literary and Scientific Society.

1907-08.

Pres.....T. C. Robinette, K.C.
1st Vice-Pres....W. L. Macdonald
2nd Vice-Pres.....H. E. B. Coyne
3rd Vice-Pres....G. A. Macdonald
Rec. Sec.....N. P. Lambert
Critic.....J. D. Campbell
Curator.....C. A. Mustard
Cor. Sec.....G. M. Smith
Treas.....R. E. Cringan
Sec. of Com.....H. C. Burroughs
Historical Sec.....J. B. Cannon
4th Yr. Coun.....W. Martin
3rd Yr. Coun.....A. G. Hooper
2nd Yr. Coun.....H. G. Eastlake
1st Yr. Coun.....M. Inwood

Women's Literary Society.

1906-07.

Hon. Pres.Miss L. B. Johnson, M.A.
Pres..Miss E. E. Van der Smissen
Vice-Pres.....Miss R. A. Dugit
Rec.-Sec....Miss L. M. Thompson
Cor. Sec..Miss Mona McLaughlin
Treas.....Miss L. McDonald
4th Yr. Rep....Miss M. G. Oakley
3rd Yr. Rep.....Miss J. Barber
2nd Yr. Rep.....Miss M. Coyne
1st Yr. Rep..Miss B. F. C. Rogers

Women's Literary Society.

1907-08.

Hon. Pres.Miss C. C. Benson, Ph.D.
Pres.....Miss L. M. Thompson
Vice-Pres.....Miss M. C. Findlay
Rec. Sec.....Miss A. J. Dulmage
Cor. Sec.....Miss C. Graham
Treas.....Miss L. M. Van Duzer
4th Yr. Rep.....
....Miss M. A. V. McWhorter
3rd Yr. Rep....Miss A. Anderson
2nd Yr. Rep....Miss O. P. McKay
1st Yr. Rep.....(To be elected)

1907.

President.....S. M. Eastman
1st Vice-Pres.....Miss J. Best
2nd Vice-Pres....W. G. Anderson
Sec.....W. L. Jackson
Treas.....A. J. Pyke
Mus. Dir...Miss E. M. McDiarmid
Athletic Dir.....J. McDonald
Critic.....S. Beatty
Prophetess.....Miss A. L. Ward
Orator.....P. W. Spence
Historians: Miss R. Gilray, A. D. Cridland
Councillors: Miss Galloway, Miss Ross, C. M. Smith, O. M. Irwin

1908

President.....J. D. Whetham
1st Vice-President
.....Miss L. E. Marshall
2nd Vice-Pres.....N. P. Lambert
Sec.....J. Scoffield
Treas.....J. A. Campbell
1st Hist.....Miss E. B. Bradshaw
2nd Hist.....F. H. Barlow
Orator.....R. A. Humphries
Poetess.....Miss I. A. Campbell
Critic.....E. R. McLean
Athletic Dir.....E. C. Ironsides
Judge.....A. D. Watson
Mus. Dir.Miss M. A. V. McWhorter
Prophetess.....Miss R. W. Tassie
Councillors: Miss H. M. Porter, Miss J. B. McNaughtor, J. M. Mutch, G. B. McQuarrie

1909.

President.....R. E. Cringan
1st Vice-Pres.....Miss E. Scott
2nd Vice-Pres.....F. S. Park
Secretary.....G. M. Smith
Treas.....J. E. Hodgson
Mus. Dir.....Miss M. A. Coyne
Critic.....B. L. Cooke
Athletic Dir.....T. R. Hanley
Prophetess.....Miss N. B. Hall
Poetess.....Miss J. M. Roberts
Orator.....T. B. Malone
Judge.....D. G. Fraser
1st Historian...Miss A. M. Gillies
2nd Historian.....C. E. Campbell
Councillors: Miss H. G. Coad; Miss I. R. Gunn; E. F. Raney; W. A. Wilson

Class Societies.

1910.

President.....N. A. McLarty
1st Vice-Pres.Miss A. G. Rothwell
2nd Vice-Pres.....A. R. Hewetson
Sec.....C. H. Best
Treas.....E. H. Senior
Musical Dir....Miss M. J. Carlyle
Athletic Dir.....L. J. McLaughlin
Critic.....A. D. Greene
Prophetess...Miss L. E. Rochester
Poetess....Miss H. W. Casselman
Orator.....A. S. Orton
Judge.....H. H. K. Greene
1st Historian.....Miss V. Sims
2nd Historian...R. J. McDiarmid
Councillors: Miss M. M. Hamilton; Miss I. G. Rose; W. N. Sage; C. B. Henderson

Classical Association.

Hon. President,
....G. W. Johnston, B.A., Ph.D.
Pres.....W. A. Rae, '07
1st Vice-Pres.Miss MacDonald, '08
Secretary.....C. E. Silcox, '08
Treas.....H. G. Allan, '09
4th Yr. Coun....Miss Osborne, '07
2nd Yr. Coun.....Miss Cowan, '09
1st Yr. Coun...Miss M. Zuern, '10

Modern Language Club.

Honorary President,
.....Professor J. H. Cameron
President.....E. F. Hauch, '07
1st Vice-President,
.....Miss M. H. Millman, '07
2nd Vice-President,
.....Miss I. M. Trowern, '08
Secretary.....T. D. Hughes, '08
Treasurer.....D. H. Stewart, '09
Asst. Treasurer,
....Miss A. V. McWhorter, '08
2nd Yr. Rep.
.....Miss A. A. Anderson, '09
1st Yr. Rep.,
.....Miss K. M. McAlister, '10

Women's Athletic Club.

Hon. Pres...Mrs. Ramsay Wright
Pres. Fall Term..Miss M. Houston
Pres. Easter Term..Miss McCully
Sec.-Treas.....Miss L. Thompson
Curator of Fencing,
.....Miss Marshall
Curator of Tennis.....Miss Steele
Curator of Hockey,
.....Miss McKinnon
Curator of Gymnasium,
.....Miss Kilpatrick
Curator of Physical Culture,
.....Miss Coyne

Association Football Club.

Hon. President.....Dr. Johnston
President.....W. H. Gilliland
Vice-Pres.....J. White
Secretary.....R. Kersey
Treas.....J. S. McCullough
Captain.....J. Lofthouse
Manager.....J. B. Cannon
Asst. Manager.....J. D. Campbell
Curator.....J. J. Shaw
4th Yr. Rep.....C. O. Hicks
3rd Yr. Rep.....F. Robinson
2nd Yr. Rep....R. R. McClenahan

FACULTY OF APPLIED SCIENCE AND ENGINEERING.

The Engineering Society.

President.....K. A. McKenzie
Vice-Pres.....D. J. McGugan
Rec. Sec.....E. M. Dann
Treasurer.....G. E. Quance
Cor. Sec.....A. E. Jupp
Editor.....P. Gillespie, B.A.Sc.
Librarian.....E. G. Hewson
Asst. Librarian....S. A. Marshall
Grad. Rep.....A. Latornell
4th Yr. Rep.....D. G. Park
3rd Yr. Rep.....J. L. Rannie
2nd Yr. Rep....A. W. J. Stewart
1st Yr. Rep.....To be elected

The Society meets every second Wednesday during the Academic Year. Papers are read, and discussions are held on engineering subjects. The Society publishes a pamphlet annually, containing the best papers read at the meeting.

Young Men's Christian Association.

President.....J. M. Menzies
Vice-Pres.....A. D. LePau
Rec. Sec.....H. F. Bowes
Treasurer.....W. Jackson
Conveners of Committees—
Bible Study.....G. Jones
Missionary.....P. R. Breckon
Membership.....J. A. Stiles
New Students...E. B. Patterson
Music.....M. H. Baker
Handbook.....G. Kribs

VICTORIA COLLEGE.

The Library.

List of donations from January 1st to December 31st, 1906:—

Government of England, 1 vol., 5 pamphlets.
Canada, 23 vols., 61 pamphlets.
Ontario, 19 vols., 46 pamphlets.
Quebec, 1 pamphlet.
Manitoba, 2 vols.
British Columbia, 1 pamphlet.
United States, 5 vols.
State of Massachusetts, 1 vol., 1 pamphlet.
Government of Brazil, 1 vol.
Biblioteca Nacional, Havana, Cuba, 1 pamphlet.
Boston Public Library, 1 vol., 2 pamphlets.
Brooklyn Public Library, 1 pamphlet.
Haverhill Public Library, 3 pamphlets.
Library of Congress, Washington, D.C., 4 vols., 6 pamphlets.
New York Mercantile Library, 2 pamphlets.
New York Public Library, 1 vol.
Philadelphia City Institute, 1 pamphlet.
St. Louis Free Library, 1 pamphlet.
Toronto Public Library, 1 pamphlet.
Albert College, Belleville, 1 pamphlet.
University of Adelaide, 1 vol.
American School of Correspondence, 1 pamphlet.
Brown University, 1 vol.
University of Chicago, 1 pamphlet.
University of Colorado, 8 pamphlets.
Columbia University, 26 pamphlets.
Congregational College of Canada, 1 pamphlet.
Dalhousie College and University, 1 pamphlet.
De Pauw University, 1 pamphlet.
Edinburgh University, 1 vol.
Glasgow University, 1 vol.
Univ. de Grenoble, France, 8 pamphlets.
Harvard University, 1 vol., 2 pamphlets.
Institute of Chemistry, London, 1 pamphlet.
Johns Hopkins University, 1 pamphlet.
Kyoto Imperial University, 1 pamphlet.
Leland Stanford Junior University, 2 vols.
University of London, 2 vols.

McGill University, 2 pamphlets.
Manitoba College, 1 pamphlet.
University of Manitoba, 2 pamphlets.
Massachusetts Institute of Technology, 2 pamphlets.
Melbourne University, 1 vol.
University of Michigan, 1 pamphlet.
University of Mount Allison College, 1 pamphlet.
National Physical Laboratory, England, 3 pamphlets.
National University of La Plata, 1 vol.
University of New Mexico, 1 pamphlet.
Northwestern University, 1 pamphlet.
Ohio Wesleyan University, 1 pamphlet.
Ontario Ladies' College, Whitby, 1 pamphlet.
University of Pennsylvania, 1 pamphlet.
Pratt Institute, New York, 2 pamphlets.
Presbyterian College, Montreal, 1 pamphlet.
Queen's University and College, 2 pamphlets.
School of Mining, Kingston, 1 pamphlet.
University of Toronto, 2 vols., 9 pamphlets.
Trinity University, 1 pamphlet.
Trinity College of Music, London, 1 vol.
Union Biblical Institute, 1 pamphlet.
Ursinus College, 1 pamphlet.
Vassa College, 2 pamphlets.
Wesley College, Winnipeg, 1 pamphlet.
Wesleyan University, Middletown, Conn., 6 pamphlets.
Wesleyan Theological College, Montreal, 1 pamphlet.
Yale University, 1 vol., 1 pamphlet.
Acta Victoriana Board of Publication, 35 vols., 3 pamphlets.
Alma Mater Society of Victoria College, 28 vols.
Young Men's Christian Association, 1 vol.
Missionary Society, 4 vols.
Class of 1906, 1 vol.
Sir Robert Anderson, London, England, 1 vol.
Anonymous, 4 vols.
The late Rev. Prof. E. I. Badgley, 13 vols.
Prof. A. R. Bain, 66 pamphlets.
Misses A. E. and R. H. Barker, 2 vols., 18 pamphlets.
Mr. Robert Beare, 30 pamphlets.
Mr. A. B. Buckworth, by kindness of Mr. E. W. Stapleford, 1 manuscript.
Rev. Prof. J. Burwash, 1 vol., 1 pamphlet.
Rev. Chancellor Burwash, 8 vols., 8 pamphlets.
Canadian Anti-Opium League, 3 vols., 1 pamphlet.
Rev. Dr. A. B. Chambers, 3 vols.
Mr. W. J. Couron, 1 pamphlet.

Mrs. Thos. Cullen, 305 vols.
Rev. S. F. Dixon, 1 pamphlet.
Rev. E. W. Edwards, 5 pamphlets.
Ontario Educational Association, 1 pamphlet.
Egypt Exploration Fund, 1 vol.
Field Museum of Natural History, 8 pamphlets.
Rev. Dr. A. Fowler, 1 vol.
Mr. Watson Griffin, 2 vols.
Dr. Cephas Guillet, 1 vol., 1 pamphlet.
Principal E. A. Hardy, 1 vol.
Rev. Dr. W. C. Henderson, 9 vols.
Hon. J. G. Hodgins, 3 pamphlets.
Prof. L. E. Horning, 39 pamphlets.
Mr. C. C. James, 5 vols.
Mr. R. H. Johnston, 25 pamphlets.
Prof. A. E. Lang, 9 vols., 7 pamphlets.
Prof. A. L. Langford, 2 vols.
Trustees of the late McCaul St. Methodist Church, Toronto, by kindness of Mr. F. Dane, 392 vols.
Mrs. McDougall, 2 vols., 16 pamphlets.
Hon. Justice McLaren, 6 vols.
Rev. Prof. J. F. McLaughlin, 10 vols., 12 pamphlets.
Macmillan & Co., 4 vols.
Norfolk St. Methodist Church, Guelph, 1 pamphlet.
Massachusetts General Hospital, 1 pamphlet.
Rev. Dr. Geo. M. Meacham, 41 vols.
Methodist Book and Publishing House, 9 vols.
Methodist Deaconess Home and Training School, 1 pamphlet.
Woman's Missionary Society of the Methodist Church, 1 vol., 2 pamphlets.
Educational Society of the Methodist Church, 3 pamphlets.
Ottawa Field Naturalists' Club, 1 vol.
Palestine Exploration Fund, 1 vol.
Rev. Dr. John Potts, 213 vols., 101 pamphlets.
Rev. Prof. A. H. Reynar, 21 vols., 27 pamphlets.
Prof. J. C. Robertson, 3 vols.
Royal Society of Canada, 1 vol.
Rev. J. E. Sanderson, 6 vols.
The Library of the late Rev. D. Savage, by kindness of his daughter, Miss Savage, 92 vols.
Sir James Sawyer, 1 vol.
Prof. W. H. Schofield, 1 vol.
Charles Scribner's Sons, 2 vols.
Mr. E. A. Shedd, 1 pamphlet.
Rev. Dr. M. Takagi, 4 vols., 1 pamphlet.

Major W. H. Turton, 1 vol.
University Club, New York, 1 vol.
Volta Bureau, Washington, D.C., 2 pamphlets.
Rev. George Webber, 1 vol., 18 pamphlets.
Mr. Adair Welcker, 1 pamphlet.
Wellcome Research Laboratories, 1 vol.
Miss A. A. Will, 19 vols., 14 pamphlets.
Rev. Dr. W. H. Withrow, 15 vols., 56 pamphlets, 6 manuscripts.
Mr. Arthur W. Wright, 3 pamphlets.
Wyclif Society, London, 8 vols.
Rev. J. M. Zurbrigg, 1 pamphlet.

The following periodicals were donated by the publishers: Canadian Methodist Magazine, Western Methodist Recorder, Journal of Royal Colonial Institute, Missionary Bulletin, Popular Science Monthly, Rod and Gun, South African Pioneer, University of Toronto Monthly, Woman's Home Companion.

The total number of volumes added to the Library during the year was 1,760. The number of bound vols. in the Library on January 1st, 1907, was 18,721. The number of periodicals received is 113.

Publications:

No. 1.—A Bibliography of Canadian Poetry (English), by C. C. James, M.A.

No. 2.—A Bibliography of Canadian Prose Fiction, by L. E. Horning and L. J. Burpee.

The above have been isued in limited editions, of which copies may be obtained from the Library at the price of one dollar each.

VICTORIA COLLEGE SOCIETIES.

Alumni Association.

President.....Rev. J. Allen, M.A.
1st Vice-President,
....E. B. Ryckman, M.A., LL.B.
2nd Vice-President,
....S. B. Sinclair, M.A., Ph.D.
Sec.-Treas.....C. C. James, M.A.

The annual meeting will be held in October in connection with the Charter Day celebration.

Graduates are requested to notify the Secretary of any change of address.

Additions to the Library are urgently requested. Any graduate willing to contribute books, pamphlets or money for this purpose will please address the Secretary.

Alumnae Association.

FOUNDED 1895.

Hon. President..Mrs. N. Burwash
President.....Miss A. A. Will
1st Vice-Pres.....Miss M. Harvey
2nd Vice-Pres.....Miss M. Kyle
Sec.-Treas.....Miss E. Walker
Cor. Sec....Miss M. E. T. Addison

Executive.

From the Executive of last year—Misses Rowell, Fife and Chown.

Representatives from the Alumnae — Misses Le Rossignol and Skinner, Mrs. Blewett.

Convenors of Committees.

Library Committee—Miss Le Rossignol.
Historical Committee—Miss Addison.
Social Committee—Mrs. Blewett.

The annual meeting will be held at Easter. Graduates are requested to notify the Corresponding-Secretary of any change of address.

Alma Mater Society.

FOUNDED 1903.

Hon. President,
....Prof. R. Bowles, M.A., B.D.
President.....E. J. Moore, '07
Vice-Pres.....W. T. Brown, '07
Secretary.....W. N. Courtice, '08
Treasurer.....E. H. Ley, '08
Councillors....E. G. Sanders, '08
Pres. Glee Club
" .....F. E. Coombs, '07
Pres. Athl. Union
" ..H. W. Armstrong, '07
Pres. Un. Lit. Soc.
" .....G. B. King, '07
Pres. Y.M.C.A.
" .....M. D. Madden, '07
Pres. Miss. Soc.
" ...A. D. McFarlane, '07
Editor Acta Victoriana

The object of this Society is to provide an organisation that shall deal with all matters pertaining to the student body at large.

Regular meetings are held twice a year, on the 9th of October and the 9th March.

The Society has fitted up sumptuous club rooms for the use of its members.

Union Literary Society.

THE "LITERARY," ESTABLISHED 1857; THE "JACKSON," ESTABLISHED 1873.

REORGANISED 1893.

Object: Cultivation of Literature, Science and Oratory.

Fall Term.

Hon. Pres.....Prof. Reynar
Pres.....D. Wren, '07
1st Vice-Pres....G. H. Bielby, '07
2nd Vice-Pres...J. H. Oldham, '08
Critic.....G. E. Trueman, B.A.
Asst. Critic.....E. J. Jenkins, '07
Leader of Govt....J. B. Lamb, '08
Leader of Opp..F. S. Albright, '08
Rec. Sec.....F. C. Moyer, '09
Cor. Sec.....P. W. Barker, '08
Asst. Rec. Sec...J. K. Ockley, '09
Treas.....W. W. Davidson, '08
Curator.....C. R. Gundy, '09
Pianist.....W. B. Workman, '08

Spring Term.

Hon. Pres.....Prof. Lang
Pres.....F. W. H. Armstrong, '07
1st Vice-Pres..H. J. Sheridan, '07
2nd Vice-Pres....C. E. Kenny, '08
Critic.....D. M. Perley, B.A.
Asst. Critic...R. W. Edmison, '07
Leader of Govt.,
.....L. K. Richardson, '07
Leader of Opposition,
.....E. H. Ley, '08
Rec. Sec.....J. K. Ockley, '09
Cor. Sec.....E. J. Halbert, '08
Asst. Rec. Sec.....H. Avison, '09
Treasurer...E. T. Coatsworth, '08
Curator.....H. F. Johnston, '10
Pianist.....W. L. Trench, '07
Asst. Pianist.....A. L. Burt, '10

Regular meetings of the Society are held in Alumni Hall each Saturday evening during term.

A valuable library, to which constant additions are being made, is placed with the General College Library, to which all students have access.

A prize of $15 is given for the best prepared oration delivered at an open contest held during the first term. Choice of subject is left to the speaker. The prize in 1906 was won by Logan, C. F.

A very valuable collection of Indian relics has been purchased by the Society. This it is hoped will be the nucleus of a large and valuable historical collection.

All students in attendance at Victoria University are eligible for membership.

Missionary Society.

Object:. To promote an active interest among the Students in Home and Foreign Missions, and to assist, as far as possible, in all Christian Missionary work.

Hon. President,
Rev. J. F. McLaughlin, B.A., B.D.
President.....M. D. Madden, '07
Vice-President..A. D. Miller, B.A.
Secretary.....T. Colwell, '09
Treasurer.....C. W. Down, '08
Permanent Treasurer,
.....F. H. Wallace, D.D.

Chairmen of Committees.

Miss. Study.....D. Perley, B.A.
Volunteer Band,
.....H. F. Woodsworth, '07
City Missions..W. M. Howlett, '08
Campaign Committee,
.....C. W. McKenzie, '08

Monthly meetings of the Society are held on the last Wednesday of each month from 5 to 6 o'clock, at which various phases of the missionary problem are discussed.

The Mission Study Class meets weekly for the study of interesting missionary literature.

The Society in conjunction with the young people of the Toronto Central District has undertaken the partial support of the work in Chin-tu, China, connected with higher education.

Y. M. C. A.

ORGANISED 1889.

Object: To promote Growth in Grace and Christian Fellowship among its Members, and aggressive Christian work, especially by and for Students.

Hon. President,
....Prof. J. C. Robertson, M.A.
Pres.....G. A. King, '07
Vice-Pres.....E. W. Roland
Sec.....H. E. Hemmingway, '09
Treas.....A. O. W. Foreman, '08

Conveners of Committees.

Devotional.....I. G. Brown, B.A.
Membership...R. P. Stockton, '08
Fall Campaign...J. L. Rutledge, '07
Bible Study..W. B. Albertson, '07
Musical.....W. P. Clement, '09
Missionary.....M. D. Madden, '07
Evangelistic..G. E. Trueman, B.A.

MEETINGS.

Wednesday evenings, 5 to 6 o'clock, Prayer and Praise.

Sabbath morning, 9.30 to 10.30, Fellowship meeting.

Classes are arranged at the beginning of each year for the purpose of Bible study. A Union Class, led by Prof. McLaughlin, will be held every Sabbath afternoon, at 4 o'clock, in the Library.

Women's Literary Society.

ORGANISED 1893.

Object: Literary Improvement and Social Intercourse.

Hon. Pres......Mrs. Blewett
Pres......Miss M. McCrae
Vice-Pres...Miss M. C. Miles, '07
Critic.....Miss M. N. Dafoe, '07
Asst. Critic..Miss J. F. Baird, '08
Rec. Sec..Miss B. M. Dunham, '08
Cor. Sec..Miss M. J. Wallace, '09
Treas.....Miss G. Miller, '10

A valuable prize, the gift of the late Mrs. Martha Bell, is offered for the best oration, at a contest held during the term. The subject for 1906 is "Optimism."

Y. W. C. A.

Object: Christian Culture and Work.

Hon. Pres....Mrs. J. C. Robertson
Pres.....Miss M. Carman, '07
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A Monthly Journal published during the College year by the Union Literary Society in the interests of Victoria University, her Students, Alumni and Friends.

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ORGANISED AS A SEPARATE INSTITUTION IN 1892.

Object: The encouragement of Vocal Talent.

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The Glee Club, besides giving several City Concerts, make annual tours throughout parts of the Province.

Victoria Athletic Union.

Object: To provide Rational Amusement for the Students, and to oversee Athletics in general about the College.

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Athletic Stick...W. L. Trench, '07
4th Yr. Rep.....W. R. Edmison
3rd Yr. Rep.....W. W. Davidson
2nd Yr. Rep.....J. V. McKenzie
1st Yr. Rep.....S. M. Green
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.....J. W. Kilpatrick, '07
Rugby Football....J. B. Lamb, '08
Alley.....M. D. Madden, '07
Tennis.....L. N. Richardson, '07
Hockey.....J. H. Oldham, '08

Members of the Union have the privilege of Alley, Football, Hockey, Tennis, Baseball, and general athletics. Victoria has now an excellent campus, and there are splendid facilities for every branch of athletics. The Union also controls a Skating and Hockey Rink on the College campus.

All students and graduates are eligible for membership. Fee, $0.50.

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ORGANISED 1905.

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The Institute exists for the encouragement of debating, essay writing, and reading. It meets on Friday evening throughout the two terms. The fee is $2.25 per annum and is payable with the College bills.

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The Association has charge of all the athletics of the College, and its Executive appoints the captains of the various teams. The annual fee, which entitles the members to play any or all of the games, is $5, payable in equal instalments with the College bills.

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The *Trinity University Review* is published once a month throughout the academic year. The annual subscription is $1, payable with the College bills in October.

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